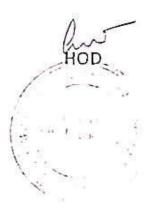




DEPARTMENT OF CIVIL ENGINEERING 2019-2020							
		10000000000	BATCH LIST				
S.No	o H.T.No of students	Name of the students	Name of the Guide	Title of the			
1	15E31A0132	SHAIKH MOHAMMED SAMIR	M.SAI KUMAR SAGAR	PARTIAL REPLACEMENT OF COARSE AGGREGATE WITH COCONUT SHELLS			





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(Affiliated to Jawaharlal Nehru Technology University) Vyasapuri, Bandlaguda, POST

Keshavagiri (P.O), Hyderabad- 500005

DEPARTMENT OF CIVIL ENGINEERING



ESTD : 2001

CERTIFICATE

This is to certify the project report title

"PARTIAL REPLACEMENT OF COARSE AGGREGATE WITH COCONUT SHELLS"

Submitted by

SHAIKH MOHAMMED SAMAIR

15E31A0132

The results embodied in this report have not been submitted to any other university for the award of any degree.

INTERNAL GUIDE

MAMIDI SAI KUMAR SAGAR

Ger EXTERNALGUIDE

HEAD OF THE DEPARTMENT

MR.CH.SWETHAMBER

PRINCIPAL Dr. K.S.S.S.N.REDDY MAHAVEER STITUTE OF SCIENCE & TECHNOLOGY andlaguda, Hyd-500 COS.



MAHAVEER INSTITUTE OF SCIENCE & TECHNOLOGY (Approved by AICTE, Affiliated to JNTU, Hyd) Vyasapur, Bandlaguda, Post : Keshavgiri, Hyderbad - 500 005. DEPT. OF EEE

.No	Batch No.	Hall Ticket No.	Name of the Student	Grade	Guide Name	Title	
1		16E31A0211	JYESTA RAJESWARI			Single- wire Earth Return Electric Distribution power	
2		16E31A0227	RENDLA RANJITH		Dr.M.Sudhakaran	grids for three phase system using unified power	
3	1	17E35A0202	AVANIGANTI SATEESH		DI.M.Budhakaran	Quality conditioner	
4		17E35A0209	MUNISHETTI NIKHARIKA				
5		16E31A0202	AKKALADEVI RAMYASRI			Control of DFIG Wind power generator in unbalanced	
6	2	16E31A0210	JADAV SATHISH		P.V.V Satyanarayana	microgrids based on instantaneous power	
7	2	16E31A0213	KARLA GNANAPRASUNA			theory	
8		17E35A0204	CHOPPARI ABHILASH				
9		16E31A0207	DESHWAL VINEETH			Bipolar Operation investigation of current source	
10	3	16E31A0218	M PAVAN KUMAR		A.Mahesh	converter -based wind energy conversion	
11	5	16E31A0228	ROSHAN PATNAIK		d British Graphic (1928-1940)	systems	
12		16E35A0202	ERRALLA DEEPAK	_			
13		16E35A0201	ABDUL RAHEMAN	_	C. D	Design and Performance analysis of three phase solar PV integrated UPQC	
14	4	16E35A0221	MS MANSHI DUBEY	-	G.Prem Kumar Reddy		
15	1	16E35A0229	S KRISHNAVAMSI	_			
16		16E31A0209	GUDIPATI VEENA		-	Power Quality Enhancement for a Grid Connected Wind Turbine Energy system	
17	5	16E31A0224	PITTALA PAVAN KALYAN		- B.Satish		
18	1 2	16E31A0226	RAJARAPU VIJAY	-	-		
19	1	17E35A0208	K KEERTHANA	_			
20		16E31A0212	K VEERESH		-	Multifunctional grid connected inverter interfaced by wind energy conversion system	
21		16E31A0225	PUNNA VAISHNAVI		R.Kalyani		
22	6	17E35A0203	BANDLA PAVANI	-		-,	
23	1	17E35A0205	DONGALA NARESH			Design and control of micro grid fed by Renewable Energy generating sources	
24		16E31A0223	PINREDDY AJITH REDDY		Jothirmai		
25		17E35A0206	EGURLA MADHU	-			
26	- 7	17E35A0212	YADAGIRI LALITH KUMAR	_			
27	1	17M35A0204	BANDI SURYA				
28		16E31A0214	MANDADI SOUNDARYA	_	-	An improved adaptive P& O Technique for two stage grid interfaced SPVECS	
29	-	17E35A0201	ARMUR AVINASH	-	Dr.M.Rajendar Reddy		
30	- 8	17E35A0210	NAMPELLY NIKHIL			stage grid interfaced of the press	

Bandlaguda, Hyo-500 005.

33 9 17E35A0211 PATHIPAKA SAT KILUTA 34 17M35A0201 A CHANDRA KUMAR 17M35A0201			16E31A0206 17E35A0207 17E35A0211	N NANDU VARDHAN REDDY BYRA NAGARANI GADIDASULA NARESH PATHIPAKA SAI KIRAN A CHANDRA KUMAR		G.Jyothi	Extraction of maximum power from a solar PV system using Fuzzy controller based MPPT Technique
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Konly

PRINCIPAL MAIIAVEER INSTITUTE OF SCIENCE & TECHNOLOGY Bandlaguda, Hyd-500 005.

A MAJOR PROJECT REPORT

ON

"SINGLE WIRE EARTH RETURN ELECTRIC DISTRIBUTION POWER GRIDS FOR THREE PHASE SYSTEM USING UNIFIED POWER QUALITY CONDITIONER"

Submitted to

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

MAHAVEER INSTITUTE OF SCIENCE AND TECHNOLOGY

(Approved by AICTE & Affiliated to JNTUH)

In the partial fulfillment of the requirements for the award of Degree of BACHELOR OF TECHNOLOGY in

ELECTRICAL AND ELECTRONICS ENGINEERING

SUBMITTED BY

J.RAJESWARI	16F31A0211
MANIHARIKA	17E35A0209
R.RANJITH	16F31 \0227
A.SATHEESH	17E35 \0202

Under the guidance of DR.M SUDHAKARAN (Asst. Professor)



PRINCIPAL MAHAVEER INSTITUT: OF SCIENCE & TECHNOLOGY Bandluguda, Hyd-SOO 005.

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING MAHAVEER INSTITUTE OF SCIENCES AND TECHNOLOGY Vyasapuri, Bandlaguda. post Keshavagiri, Hyderabad – 500005

2019-2020

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CERTIFICATE

This is to certify that the project work entitled "MULTIFUNCTIONAL GRID CONNECTED INVERTER INTERFACED BY WIND ENERGY CONVERSION SYSTEM" is submitted by

D.NARESH	17E35A0205
P.VAISHNAVI	16E31 x0225
K.VEERESH	16E.31 A0212
B.PAVANI	17E35A0203

In partial fulfillment of the requirements for the degree of Bachelor of Technology in ELECTRICAL AND ELECTRONICS ENGINEERING of MAHAVEER INSTITUTE OF SCIENCE AND TECHNOLOGY, Hyderabad during the academic year 2019-20, is a bonafide record of work carried out as per academic course for the award of the degree.

R. Kalyani, Asst. Prof.

Head of

Dr. M. Rajendhar Reddy, Ph.D

Project Coordinator

Prof. P.V.V. Satyanarayana

Konly

PRINCIPAL MAHAVEER INSTITUTE OF SCIENCE & TECHNOLOGY Eanclaguda, Hyd-500 005. External Examiner

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CERTIFICATE

This is to certify that the project work entitled "DESIGN AND CONTROL OF MICRO-GRID FED BY RENEWABLE ENREGY GENERATING SOURCES" is submitted by

E. MADHU	17E35A0206
P. AJITH REDDY	16E31A0223
Y. LALITH KUMAR	17E35A0212
B. SURYA	17M35A0204

In partial fulfillment of the requirements for the degree of Bachelor of Technology in ELECTRICAL AND ELECTRONICS ENGINEERING of MAHAVEER INSTITUTE OF SCIENCE AND TECHNOLOGY, Hyderabad during the academic year 2019-20, is a bonafide record of work carried out as per academic course for the award of the degree.

Project Guide

Jyothir Mai, M.Tech (Asst. Prof.)

External Examiner

Head of the Dept.

Dr. M. Rajendhar Reddy, Ph.D

Project Coordinator

Prof. P.V.V. Satyanarayana

PRINCIPAL MAHAVEER Institute of science & technology Bandiaguda, Hyd-500 005.

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CERTIFICATE

This is to certify that the project work entitled CONTROL OF DFIG WIND POWER GENERATORS IN UNBALANCED MICROGRIDS BASED ON INSTANTANEOUS POWER THEORY is submitted by

K. GNANAPRASUNA	16E31A0213
A. RAMYA SRI	16E31A0202
CH.ABHILASH	17E35A0204
I SATHISH	16E31A0210

In partial fulfillment of the requirements of degree of Bachelor of Technology in ELECTRICAL AND ELECTRONICS ENGINEERING of MAHAVEER INSTITUTE OF SCIENCE AND TECHNOLOGY, Hyderabad during the academic year 2019-20, is a bonafide record of work carried out as per academic course for the award of the degree.

roject Guide

Project Coordinator

Prof. P.V.V. Satyanarayana

Head of the De

Dr. M. Rajendhar Reddy, Ph.D.

External Examiner

PRINCIPAL MAHAWEER INSTITUTE OF SCIENCE & TECHNOLOGY Bandlaguda, Hyd-500 005.

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Project Guide

Prof. P.V.V. Satyanarayana Project Coordinato

Prof. P.V.V. Satyanarayana

Head of the De

Dr. M. Rajendhar Reddy, Ph.D.

External Examiner

II PRINCIPAL MAHAVEER INSTITUTE OF SCIENCE & TECHNOLOGY dom:Clayuda, Hyd-500 005.





Approved by AICTE, Affiliated to JNTU, Hyderabad. Vyasapuri, Bandlaguda, Post: Keshavgiri, Hyderabad-500005.

CERTIFICATE

This is to certify that the project work entitled "DESIGN AND CONTROL OF MICRO-GRID FED BY RENEWABLE ENREGY GENERATING SOURCES" is submitted by

E. MADHU	17E35A0206
P. AJITH REDDY	16E31A0223
Y. LALITH KUMAR	17E35A0212
B. SURYA	17M35A0204

In partial fulfillment of the requirements for the degree of Bachelor of Technology in ELECTRICAL AND ELECTRONICS ENGINEERING of MAHAVEER INSTITUTE OF SCIENCE AND TECHNOLOGY, Hyderabad during the academic year 2019-20, is a bonafide record of work carried out as per academic course for the award of the degree.

pti Mar Project Guide

Jyothir Mai, M.Tech (Asst. Prof.)

Dr. M. Rajendhar Reddy, Ph.D

Head of the Dept.

External Examiner

Project Coordinator

Prof. P.V.V. Satyanarayana

PRINCIPAL MAHAVEER INSTITUTE OF SCIENCE & TECHNOLOGY Isonalloguda, Hyd-500 005,





Approved by AICTE, Affiliated to JNTU, Hyderabad. Vyasapuri, Bandlaguda, Post: Keshavgiri, Hyderabad-500005.

CERTIFICATE

This is to certify that the project work entitled "HARMONICS REDUCTION AND POWER QUALITY IMPROVEMENT BY USING DPFC" Submitted by

MALKAPALLY SRINIVAS17M35A0212P. RAGHAVENDRA17M35A0217

G. VISHAL

In partial fulfillment for the requirements for the Degree of BACHELOR OF TECHNOLOGY in ELECTRICAL AND ELECTRONICS ENGINEERING of MAHAVEER INSTITUTE OF SCIENCE AND TECHNOLOGY, Hyderabad, during the

academic year 2018-21, is a bonafide record of the work carried out by him as per academic course for the award of the degree.

PROJECT GUIDE MOHAMMED.MASOOD

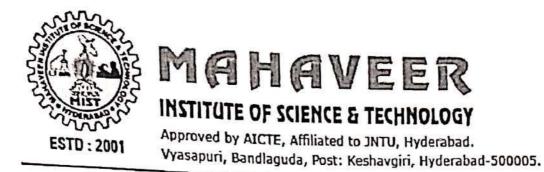
Assistant Professor PETHOIPAL MARAVEER INSTITUTE OF SCIENCE & TECHNOLOGY INTERNAL EXAMINER and aguda, Hyd-500 005,

HEAD OF THE DEPT [E.E.E] DR.M. RAJENDAR REDDY

Professor

EXTERNAL EXAMINER

17M35A0207



CERTIFICATE

This is to certify that the project work entitled "AN IMPROVED ADAPTIVE P&O TECHNIQUE FOR TWO STAGE GRID INTERFACED SPVECS" is submitted by

N.NIKHIL	17E35A0210		
A.AVINASH	17E35A0201		
M.SOUNDARYA	16E31A0214		
N.NANDU			
VARDHANREDDY	15E31A0226		

In partial fulfilment of the requirements of degree of Bachelor of Technology in ELECTRICAL AND ELECTRONICS ENGINEERING of MAHAVEER

INSTITUTE OF SCIENCE AND TECHNOLOGY, Hyderabad during the academic year 2019-20, is a bonafide record of work carried out as per academic course for the award of the degree.

Project Guide Dr.M.Rajendar Reddy, Ph.D.

Head of the Dept.

Dr.M.Rajendar Reddy, Ph.D.

Project Coordinator Prof. P.V.V. Satyanarayana External Examiner

INCIPAL MAHAVEER INSTITUTE OF SCIENCE & TECHNOLOGY Eandlaguda, Hyd-500 005



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INSTITUTE OF SCIENCE & TECHNOLOGY

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CERTIFICATE

This is to certify that the project work entitled "BIOPLAR OPERATION INVESTIGATION OF CURRENT SOURCE CONVERTER-BASED WIND ENERGY CONVERSION SYSTEMS" Submitted by

PAVAN KUMAR [16E31A0218]

ROSHAN PATNAIK [16E31A0228]

VINEET DESHWAL [16E31A0207]

ERRALLA DEEPAK [16E35A0202]

In partial fulfillment for the requirements for the Degree of BACHELOR OF TECHNOLOGY in ELECTRICAL AND ELECTRONICS ENGINEERING of MAHAVEER INSTITUTE OF SCIENCE AND TECHNOLOGY, Hyderabad, during the academic year 2019-20, is a bonafide record of the work carried out by him as per academic course for the award of the degree.

Hat 23/9/2020

PROJECT GUIDE A.MAHESH KUMAR Associate Professor

INTERNAL EXAMINER

HEAD OF THE DEPT [E.E.E] Dr.M.Rajendar Reddy Professor

EXTERNAL EXAMINER

NETICIPAL VEER INSTITUTE OF SCIENCE & TECHNOLOGY Institute of Science & TECHNOLOGY Institute of Science & TECHNOLOGY



ii

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CERTIFICATE

This is to certify that the project work entitled "DESIGN AND PERFORMANCE ANALYSIS OF THREE PHASE SOLAR PV INTEGRATED UPQC" Submitted by

MANSHI DUBEY	[16E31A0221]
ABDUL RAHEMAN	[16E31A0201]
S. KRISHNA VAMSI	[16E31A0229]

In partial fulfillment for the requirements for the Degree of BACHELOR OF TECHNOLOGY in ELECTRICAL AND ELECTRONICS ENGINEERING of MAHAVEER INSTITUTE OF SCIENCE AND TECHNOLOGY, Hyderabad, during the academic year 2019-20, is a bonafide record of the work carried out by him as per academic course for the award of the degree.

PROJECT GUIDE G. Prem Kumar Reddy Associate Professor

PRINCIPAL M. . . . A VEER INCITATE OF SCIENCE & TECHNOLOGY Banuloguda, Hyd-500 005,

HEAD OF THE DEPT [HOD E.E.E] Dr.M.Rajendar Reddy Professor Vysapuri, Bandlaguda Post:Keshavgiri, Hyderabad-500 005, Telangana INDIA Tel: 040-64596979,20020773, Fax: 040-24455003 E-mail: <u>principal.mahaveer@gmail.com</u>, Website: www.mist.ac.in,





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DEPARTMENT OF MECHANICAL ENGINEERING MAIN PROJECT LIST-2019-2020

Batch No	HT.NO	NAME OF THE STUDENT	Title of the Project	Name of the Guide	
	16E31A0306	G VENU GOPAL			
	16E31A0307	GADDI SUDHAMSHU	DESIGN,		
1	16F31A0329	PUNEET RAJ CHAVAN	MANUFACTURING AND FABRICATION OF ALL TERRAIN VEHICLE	B. NAGESWAR	
	16E31A0331	R VAYU PUTHRA			
	16E31A0339	THOTA PAVAN KUMAR			
	16E31A0337	TEJAVATH SRIKANTH	FABRICATION OF BATTERY	B. VENKATESWAR REDDY	
2	16E31A0338	THONGAR NARAYANA	POWERED ELECTRIC VEHICLE AND DESIG, STRUCTURAL ANALYSIS OF DISC BRAKE		
	16E31A0301 B PRAVEE KUMAR	B PRAVEEN KUMAR			
	16E31A0327	PONNURU UPENDRA		MD SAZZAD	
	16E31A0395	G RAMAKRISHNA	ATMOSPHERIC WATER		
3	16E31A0323	N SRIKANTH REDDY			
	16E31A0326	PATLOLLA PRASHANTH REDDY	GENERATOR		
	16E31A0328	PULIJALA ANIL			

Vysapuri, Bandlaguda Post Keshavgiri, Hyderabad-500 005, Telangana INDIA Tel: 040-64596979,20020773, Fax: 040-24455003 E-mail: <u>principal mahaveer@gmail.com</u>, Website: www.mist.ac.in,



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4	16E31A0308	GAJJELLI VAMSHI KRISHNA	EXPERIMENTAL INVESTIGATION ON EFFECTS OF THE MAGNETIC FIELD ON MATERIAL REMOVAL RATE AND TOOLWEAR RATE IN EDM	G K. SHANMUKH DEV
	16E31A0314,	LUNAVATH GANESH		
	16E31A0313	KOVA SAIKUMAR		
	16E31A0324	NALLA TEJASWI		
	16E31A0340,	YELTI SREYA	MEASUREMENT OF ELASTIC MODULUS BY USINGULTRASONIC WAVEGUIDE	T. SHAHINSHA
5	16E31A0320,	MOHD ABDUL AHTESHAM UL HASNAIN		
	16E31A0325	PANUGANTI SAI KIRAN GOUD		
	16E31A0318,	MOHAMMED MUBEEN QURESHI	AUTOMATED GUIDED VEHICLE WITH ROBOTIC ARM	MDSAZZAD
	16E31A0336,	SYED ZAINUDDIN ABED		
6	16E31A0334	SHAIK MUJAFFER		
	16E31A0319	MOHD ABDUL SAMEER		
	16M31A0315	MOHD SHAREEF JAVEED		
	16E31A0353	ISHRATH UNNISA BEGUM	MODELLING OF BATTERY POWERED VEHICLE AND ANALYSIS OF STEERING SYSTEM	DR.B. NAGESWARA RAO
7	16E31A0354	KATPALLY SRENU REDDY		
	14E31A0357	MOHAMMED FARHAN AHMED		

Vysapuri, Bandlaguda Post Keshavgiri, Hyderabad-500.005, Telangana INDIA Tel: 040.64596979,20020773, Fax: 040-24455003 E-mail: principal mahaveer@gmail.com, Website: www.mist.ac.in,





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	17E35A0318	BHANU CHANDER	EXPERIMENTAL INVESTIGATION ON EFFECTS OF THE MAGNETIC FIELD ON MATERIAL REMOVAL RATE AND TOOL WEAR RATE IN EDM	G. K. SHANMUKH DEV
8	16E31A0351	EDAM SAIRAM		
	16E31A0343	AKASH SABNANI		
	16E31A0361	KUDUTHALA AKHIL	FABRICATION OF BATTERY POWERED ELECTRIC VEHICLE AND DESIGN STRUCTURAL ANALYSIS OF DISC BRAKE	B. VENKATESWAR REDDY
9	15E31A0359	SYED MUSTAFA AHMED		
	17E35A0302	B.MAHESH		
	16E31A0358	KOMMIDI SHRAVAN REDDY	MINIMIZATION OF SINK MARK DEFECT IN INJECTION MOULDING PROCESS	P. DURGA RAVI PRASAD
10	16E31A0344	AMERINANI ANIL KUMAR		
	16E31A0362	MADHAGONE AKHIL TEJA		
	16E31A0377	SHIVA KUMAR REDDY	EXPERIMENTAL COMPARISON OF TENSILE AND COMPRESSIVE STRENGTHS OF PLA AND ABS MATERIALS USING FDM	D. SANTHOSH KUMAR
ц	17E35A0319	RAGHAVENDRA REDDY		
	16E31A0345	ARAKALA SHIVA		

Vysapuri, Bandlaguda Post Keshavgiri, Hyderabad-500 005, Telangana INDIA Tel: 040-64596979,20020773, Fax: 040-24455003 E-mail: <u>principal mahaveer@gmail.com</u>. Website: www.mist.ac.in,



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	17E35A0321	SYED SOHAIL AHMED	EXPERIMENTAL SETUP FOR HEAT TRANSFER ANALYSIS ON RECTANGULAR PLATE BY NATURAL CONVECTION	B. NAGESWAR
12	15E31A0326	MD ABUBAKAR SIDDIQ		
	17E35A0320	SHAIK MINHAJ UDDIN		
	17E35A0305	GOMASA HARSHAVARDHAN	DESIGN AND ANALYSIS OF CRANE HOOK USING DIFFERENT MATERIALS USING VARYING CROSS- SECTIONS	M. SONACHALAM
	17E35A0312	MD ASIF		
13	16E31A0370	PYATA PRASHANTH KUMAR		
	15E31A0307	B VIJAY KUMAR		
	16E31A0365	MOHAMMED RIZWANUDDIN	DESIGN OF PROTOTYPE OF HUMANOID ROBOT	E. KRISHNA DEEPAK
14	16E31A0364	MOHAMMED LUQMAN ZAKI		
	16E31A0374	SYED OMAIR AHMED		
	17E35A0313	MOGUNURI NARENDRA	DESIGN AND CFD ANALYSIS OF VERTICAL AXIS WIND TURBINE ROTOR	B. VENKATESWAR REDDY
15	17E35A0308	KARISHA SURESH		
	17E35A0310	KUMMARA Pavankumar		
	17E35A0314	MOHAMMED Abdul Raqeeb	IMPROVING THE PERFORMANCE OF AN ENGINE BLOCK BY VARYING COOLING FLUIDS	P. DURGA RAVI PRASAD
	16E31A0376	TUMMALA PALLY VINAY REDDY		
16	16E31A0369	PULUGARI JAGADEESHWAR REDDY		
	16E31A0378	VALGOTE NIKHIL KUMAR		
	16E35A0309	T RAJEEV SEKHAR		

Vysapuri, Bandlaguda Post:Keshavgiri, Hyderabad-500 005, Telangana INDIA Tel: 040-64596979,20020773, Fax: 040-24455003 E-mail: <u>principal mahaveer@gmail.com</u>, Website: www.mist.ac.in,



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17	17E35A0301	ALAKANTI SWARAJYAM	DESIGN AND FABRICATION OF PORTABLE 3D PRINTER	D. SANTHOSH KUMAR
	17E35A0304	BODIGAM SRINATH		
	15E31A0324	K.SAITEJA		
	17E35A0322	SRIKANTH		
18	17E35A0306	JAMPALA SAIKUMAR	DESIGN,ANALYSIS AND FABRICATION OF LOW SURFACE FINISHING MACHINE	P. PRAVEEN KUMAR REDDY
	17E35A0309	KONKATA KARTHIK		
	16E31A0356	KOLLA RAJASHEKAR REDDY		
	17E35A0303	BHOOMENI VENKATA SAI		
	16E31A0360	KOTHALAPURAM ANUSHA		
	16E31A0379	YATA VISHNUVARDHAN REDDY	COMPARATIVE DESIGN AND ANALYSIS OF IC ENGINE PARTS USING CONVENTIONAL AND ALUMINUM BASED ALLOYS	M.SONACHALAM
19	17E35A0311	MAHESH		
19	16E31A0346	BAGI VIJENDER REDDY		
	16E31A0352	ERLA MAHENDRA KUMAR		
20	16E31A0342	ABU SUFYAN MALIK	MEASUREMENT OF ELASTIC MODULUS BY USING WAVEGUIDE	T. SHAHINSHA
	16E31A0350	DEVI SHRI PRASAD PATANGI		
	16E31A0368	PATHAKOTI JAGADISH		
	16E31A0371	SHAIK SAMEER		

Vysapuri, Bandlaguda Post:Keshavgiri, Hyderabad-500 005, Telangana INDIA Tel: 040-64596979,20020773, Fax: 040-24455003 E-mail: <u>principal mahaveer@gmail.com</u>, Website: www.mist.ac.in,





p MAHAVEER INSTITUTE OF SCIENCE & TECHNOLOGY Bandlaguda, Hyd-500 005.

HOD

Dr.B.Nageswara Rao DEPARTMENT OF MECHANICAL ENGINEERING

Vyasapuri, Bandlaguda, Keshavagiri Post, Hyderabad-500005.

DEPARTMENT OF MECHANICAL ENGINEERING



CERTIFICATE

This is to certify that the project work entitled "EXPERIMENTAL INVESTIGATION ON EFFECTS OF THE MAGNETIC FIELD ON MATERIAL REMOVAL RATE AND TOOL WEAR RATE IN EDM" is submitted by N.Tejaswi, L.Ganesh, G.Vamshi Krishna, K.Sai Kumar in partial fulfilment of the requirement for the award of the Degree of Bachelor of Technology in MECHANICAL ENGINEERING from MAHAVEER INSTITUTE OF SCIENCE AND TECHNOLOGY, during the academic year 2019-2020

The results embodied in this project report have not been submitted to any other University or Institute for the award of any degree.

G.I. Shamily Des

Mr. G K .SHANMUKH DEV Associative Professor Project Guide

DR. B.NAGESWARA RAO Head of the Department Head of Lepartment Nuchanical Engo.

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DR. K.S.S.S.N.REDDY Principal PAL M H H H Y E E R M H H H Y E E R MSTITUTE OF SCHOTE & TECHNOLOGY Bandygeda, Hyd. 500 008

MAHAVEER INSTITUTE OF SCIENCE & TECHNOLOGY BANDLAGUDA -500 005, HYDERABAD, TELANGANA Department of Mechanical Engineering

DECLARATION

We the team of 'MT~180', are students of 'Bachelor of Technology in Mechanical Engineering', session: 2019 - 2020, Mahaveer Institute of Science and Technology. Bandlaguda, Hyderabad, hereby declare that the work presented in this Project Work entitled "DESIGN, MANUFACTURING AND FABRICATION OF ALL TERRAIN VEHICLE 'MT~180''' is the outcome of our own bonafide work and is correct to the best of our knowledge and this work has been undertaken taking care of Engineering Ethics. It contains no material previously published or written by another person nor material which has been accepted for the award of any other degree or diploma of the university or other institute of higher learning, except where due acknowledgment has been made in the text.

B.Nageswar

Project Guide

DR. B.NAGESWARA RAO Head of the Department Need of Department Nechonical Enge.

DR. K.S.S.S.N.REDDY Principal PAL M d d by V E B R Mathyre (1.5 K ore 1.1501-0.057 Bandigada, 11yd, 500 003

Vyasapuri, Bandlaguda, Keshavagiri Post, Hyderabad-500005.

DEPARTMENT OF MECHANICAL ENGINEERING



CERTIFICATE

This is to certify that the project work entitled "EXPERIMENTAL INVESTIGATION ON EFFECTS OF THE MAGNETIC FIELD ON MATERIAL REMOVAL RATE AND TOOL WEAR RATE IN EDM" is submitted by P.Bhanu chander, E.Sairam, Akash Sabnani in partial fulfilment of the requirement for the award of the Degree of Bachelor of Technology in MECHANICAL ENGINEERING from MAHAVEER INSTITUTE OF SCIENCE AND TECHNOLOGY, during the academic year 2019-2020

The results embodied in this project report have not been submitted to any other University or Institute for the award of any degree.

Gill. Shamilin Des

Mr. G K .SHANMUKH DEV Associative Professor Project Guide

DR. K.S.S.S.N.REDDY Principal PAL M 11 G H Y E E R HETHYTE CI SCHITE & TECHOLOSY Bandar pada, Hys. 500 005

DR. B.NAGESWARA RAO Head of the Department Neckenical Engg.

EXTERNAL EXAMINER

Vyasapuri, Bandlaguda, Keshavagiri Post, Hyderabad-500005.

DEPARTMENT OF MECHANICAL ENGINEERING



CERTIFICATE

This is to certify that the project work entitled "DESIGN AND FABRICATION OF PORTABLE 3DPRINTER is submitted by A. SWARAJYAM, B. SRINATH, V. SRIKANTH, K. SAI TEJA in partial fulfilment of the requirement for the award of the Degree of Bachelor of Technology in MECHANICAL ENGINEERING from MAHAVEER INSTITUTE OF SCIENCE AND TECHNOLOGY, during the academic year 2019-2020.

The results embodied in this project report have not been submitted to any other University or Institute for the award of any degree.

(Mr. D. SANTHOSH KUMAR) Assistant Professor Project guide

DR. B.NAGESWARA RAO Head of the Department Need of Department Mechanical Enge.

DR. K.S.S.S.N.REDDY Principal PAL M & A H V E II R M & A H V E II R Manual Control I TECH-OLOM Bandaganda, Hyd. 300 003

Vyasapuri, Bandlaguda, Keshavagiri Post, Hyderabad-500005.

DEPARTMENT OF MECHANICAL ENGINEERING



CERTIFICATE

This is to certify that the project work entitled "MEASUREMENT OF ELASTICMODULUS BY USING ULTRASONIC WAVEGUIDE" is submitted by Devishriprasadh Potangi. Abu Sufyan malik, Pathakoti Jagadish, Shaik Sameer in partial fulfilment of the requirement for the award of the Degree of Bachelor of Technology in MECHANICAL ENGINEERING from MAHAVEER INSTITUTE OF SCIENCE AND TECHNOLOGY, during the academic year 2019-2020.

The results embodied in this project report have not been submitted to any other University or institute for the award of any degree.

Mr. T.SHATTINSHA Assistant Professor Project Guide

Br. B.NAGESHWARA RAO Head of the Department Head of Department Mechanical Enge. ii

DR. K.S.S.S.N.REDDY Principal PAL M H H H Y E E R HITIDITE OF SOCIETE L TEOH-CLOW Bandingman, Hyd- 500 008



(Approved by AICTE & Affiliated to JNTUII, Hyderabad) Vyasapuri, Bandlaguda, Post : Keshavgiri, Hyderabad-500005

Department of Mechanical Engineering

CERTIFICATE

This is to certify that the work embodies in this dissertation entitled 'Design and CFD Analysis of vertical Axis Wind Turbine Rotor' being submitted by 'M NARENDRA. (17E35A0313), K SURESH (17E35A0308), K.PAVAN. (17E35A0310), for partial fulfillment of the requirement for the award of 'Bachelor of Technology in Mechanical Engineering to Mahaveer Institute of Science and Technology, Bandlaguda, Hyderabad during the academic year 2019 - 2020 is a record of bonafide piece of work, undertaken by him/her the supervision of the undersigned.

Sri. B. Venkateswar Reddy. (Assistant Professor)

Project Guide

EXTERNAL EXAMINAR

DR. B.NAGESWARA RAO Head of the Department Need of Department Mechanical Enge.

DR. K.S.S.S.N.REDDY Principal PAL M C A H V E L R

Vyasapuri, Bandlaguda, Keshavagiri Post, Hyderabad-500005.

DEPARTMENT OF MECHANICAL ENGINEERING



CERTIFICATE

This is to certify that the project work entitled "FABRICATION OF BATTERY POWERED ELECTRIC VEHICLE AND DESIGN, STRUCTURAL ANALYSIS OF DISC BRAKE" is submitted by KARTHER HAATHENH AND SWED MESTARA USARES in partial fulfilment of the requirement for the award of the Degree of Bachelor of Technology in MECHANICAL ENGINEERING from MAHAVEER INSTITUTE OF SCIENCE AND TECHNOLOGY, during the academic year 2019-2020.

The results embodied in this project report have not been submitted to any other University or Institute for the award of any degree.

Mr. B. VENKATESHWAR REDDY Assistant Professor

Project Guide

Dr B. NAGESHWAR RAO Professor & Head of the Department

Read of Department Mechanical Engo.

Dr K.S.S.S.N.REDDY Principal

EXTERNAL EXAMINER

Vyasapuri, Bandlaguda, Keshavagiri Post, Hyderabad-500005.

DEPARTMENT OF MECHANICAL ENGINEERING



CERTIFICATE

This is to certify that the project work entitled "FABRICATION OF BATTERY POWERED ELECTRIC VEHICLE AND DESIGN, STRUCTURAL ANALYSIS OF DISC BRAKE" is submitted by B PRAVEEN KUMAR. T SRIKANTH AND T MARAYANA in partial fulfilment of the requirement for the award of the Degree of Bachelor of Technology in MECHANICAL ENGINEERING from MAHAVEER INSTITUTE OF SCIENCE AND TECHNOLOGY, during the academic year 2019-2020.

The secults embodied in this project report have not been submitted to any other for the award of any degree.

DR. B.NAGESWARA RAO Head of the Department

Nechanical Enge.

Mr. B. VENKATESHWAR REDBY

Assistant Professor Project Guide

Dr B. NAGESHWAR RAO Professor & Head of the Department

Re la Depertment (audit initiale en de

DR. K.S.S.S.N.REDDY Principal IOAL M 11 II II V E E R MIT II II V E E R MITITUTE CI SCHOTE L TECH-CLOSY Bandergeda, Hyd. 500 008

MAHAVEER INSTITUTE OF SCIENCE & TECHNOLOGY Vyasapuri, Bandlaguda, Keshavagiri Post, Hyderabad-500005.

DEPARTMENT OF MECHANICAL ENGINEERING



This is to certify that the project work entitled "ATMOSPHERIC WATER GENERATOR" is submitted by P PRASHANTH REDDY, P UPENDRA, P ANIL, N SRIKANTH REDDY, G RAMA KRISHNA in partial fulfilment of the requirement for the award of the Degree of Bachelor of Technology in MECHANICAL ENGINEERING from MAHAVEER INSTITUTE OF SCIENCE AND TECHNOLOGY, during the academic year 2019-2020.

The results embodied in this project report have not been submitted to any other University or Institute for the award of any degree.

(Mr. MD. SAZZAD) Assistant Professor Project Guide

\$ 12/11/2022

(Dr.NAGHESHWAR RAO) Professor & Head of the Department

DR. K.S.S.S.N.REDDY Principal DAL M 15 15 15 V E E E austrovite of Schore 1 TECH-00007 Bandrighda, Hyd- 500 005

MAHAVEER INSTITUTE OF SCIENCE & TECHNOLOGY Vyasapuri, Bandlaguda, Keshavagiri Post, Hyderabad-500005.

DEPARTMENT OF MECHANICAL ENGINEERING



CERTIFICATE

This is to certify that the project work entitled "DESIGN OF PROTOTYPE OF HUMANOID ROBOT" is submitted by MOHAMMED RIZWANUDDIN, MOHAMMED LUQMAN ZAKI, SYED OMAIR AHMED, in partial fulfilment of the requirement for the award of the Degree of Bachelor of Technology in MECHANICAL ENGINEERING from MAHAVEER INSTITUTE OF SCIENCE AND TECHNOLOGY, during the academic year 2019-2020.

The results embodied in this project report have not been submitted to any other University or Institute for the award of any degree.

(Mr. E.KRISHNA DEEPAK) Assistant Professor Project Guide

B.N

(Dr.B.Nageswara Rao) Professor Head of the Department

Hechanical Enco

EXTERNAL EXAMINAR

DR. K.S.S.S.N.REDDY Principal DAL M 11 11 17 V E R R Handrighta, Hyd. 500 003

Vyasapuri, Bandlaguda, Keshavagiri Post, Hyderabad-500005.

DEPARTMENT OF MECHANICAL ENGINEERING



CERTIFICATE

This is to certify that the project work entitled "EXPERIMENTAL SETUP FOR HEAT TRANSFER ANALYSIS ON RECTANGULAR PLATE BY NATURAL CONVECTION" is submitted by Syed Sohail Ahmed. Md abubakar siddiq. Shaik minhajuddin. in partial fulfilment of the requirement for the award of the Degree of Bachelor of Technology in MECHANICAL ENGINEERING from MAHAVEER INSTITUTE OF SCIENCE AND TECHNOLOGY, during the academic year 2019-2020.

The results embodied in this project report have not been submitted to any other University or Institute for the award of any degree.

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Mr.B:

Mr.B.SAGESWAR Assistant Professor Project Guide

EXTERNAL EXAMINER

a nere Dr.B.NAGESWARA RAO Head of the Department Rand d. spartment Mechanical Engo.

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DR. K.S.S.S.N.REDDY Principal IPAL M that to V E E R empiriture of solicity L 1904-01000 Bandrighta, Hyd. 500 003

Vyasapuri, Bandlaguda, Keshavagiri Post, Hyderabad-500005.

DEPARTMENT OF MECHANICAL ENGINEERING



CERTIFICATE

This is to certify that the project work entitled "MEASUREMENT OF ELASTICMODULUS BY USING ULTRASONIC WAVEGUIDE" is submitted by Y Sreya, P.Sai kiran Goud, Mohd Abdul Ahtesham Hasnain in partial fulfilment of the requirement for the award of the Degree of Bachelor of Technology in MECHANICAL ENGINEERING from MAHAVEER INSTITUTE OF SCIENCE AND TECHNOLOGY, during the academic year 2019-*2020.

The results embodied in this project report have not been submitted to any other University mustitute for the award of any degree.

Mr. T.SHATTINSHA Assistant Professor Project Guide

B. N. B. Dr. B.NAGESHWARA RAO Head of the Department

> Head of Cepartment Mechanical Engs.

DR. K.S.S.S.N.REDDY Principal DAL M this to V E B R ANTIFUTE OF SUGARE & TECH-OLOWY Bandragenda, Hys- 200 008

Vyasapuri, Bandlaguda, Keshavagiri Post, Hyderabad-500005.

DEPARTMENT OF MECHANICAL ENGINEERING



CERTIFICATE

This is to certify that the project work entitled "MODELING OF BATTERY POWERED VEHICLE AND ANALYSIS OF STEERING SYSTEM" is submitted by Ishrath Linnisa Region, Karpathy Scenu Reddy, Mohd Farhan Ahmed in partialfulfilment of the requirement for the award of the Degree of Bachelor of Technology in MECHANICAL ENGINEERING from MAHAVEER INSTITUTE OF SCIENCE AND TECHNOLOGY, during the academicycar 2019-2020.

The results embodied in this project report have not been submitted to any other University or Institute for the award of any degree.

DR. K.S.S.S.N.REDDY Principal PAL M H H H Y E E R MITHOUSE OF SCHOOL BOM-OLOSY Bandrighda, Hys- 500 005

Dr. B. NAGESWARA RAO Head of the Department Head of Department Machanical Enga.

MAHAVEER INSTITUTE OF SCIENCE & TECHNOLOGY Vyasapuri, Bandlaguda, Keshavagiri Post, Hyderabad-500005.

DEPARTMENT OF MECHANICAL ENGINEERING



This is to certify that the dissertation entitled "Improving the performance of an engine block by varying cooling fluids" being submitted by Md abdul raqeeb, P. Jagadeeshwar reddy, T.vinay reddy, v.nikhil kumar, rajeevshekar, bearing 17E35A0314 16E31A0369, 16E31A0376, 16E31A0378, 16E35A0309, in partial fulfillment of the requirement for the award of the degree of bachelor of Technology in Mechanical engineering ,Jawaharlal Nehru technological university, Hyderabad, is a record of the bonafide work carried out under guidance and supervision during the period 2019-2020

The result presented in this thesis have been verified and found to be satisfactory. The result embodied in this project has not been submitted to any other university or institute for the award of degree or diploma.

GUIDE

Mr.P.Durga Ravi Prasad Assistant professor, Dept of mechanical engineering Mahaveer institute of science& technology



Head of Department Mechanical Er HEAD OF DEPARTMENT Bin (-DRTB.Nageshwar mo [PHD]

Professor, Dept of mechanical enginnering, Mahaveer institute of science &technology

Vyasapuri, Bandlaguda, Keshavagiri Post, Hyderabad-500005.

DEPARTMENT OF MECHANICAL ENGINEERING



CERTIFICATE

This is to certify that the project work entitled "DESIGN, ANALYSIS AND FABRICATION OF LOW SURFACE FINISHING MACHINE" is submitted by J.Saikumar, K.Karthik, K.RajshekarReddy, B.venkatasai K.AnushaReddy in partial fulfillment of the requirement for the award of the Degree of Bachelor of Technology in MECHANICAL ENGINEERING from MAHAVEER INSTITUTE OF SCIENCE AND TECHNOLOGY, during the academic year 2019-2020.

The results embodied in this project report have not been submitted to any other University or Institute for the award of any degree.

Mr.P.PRAVEEN KUMAR REDDY (Assistant Professor) Project Guide

Head of Decar Hachanie

Dr.B.NAGESWARA RAO Head of the Department

> Mesa of Department Mochenical Engo.

DR. K.S.S.S.N.REDDY Principal IPAL M CLARKY E E E INTIDUTE OF SURFACE & TECHNOLOGY Bandrageda, Hyd. 500 003

MAHAVEER INSTITUTE OF SCIENCE & TECHNOLOGY Vyasapuri, Bandlaguda, Keshavagiri Post, Hyderabad-500005.

DEPARTMENT OF MECHANICAL ENGINEERING



CERTIFICATE

This is to certify that the project work entitled "DESIGN AND ANALYSIS OF CRANE HOOK USING DIFFERENT MATERIALS AND VARYING CROSS-SECTIONS" is submitted by G HARSHA VARDHAN, MD ASIF, P PRASHANTHKUMAR, B VIJAYKUMAR in partial fulfilment of the requirement for the award of the Degree of Bachelor of Technology in MECHANICAL ENGINEERING from MAHAVEER INSTITUTE OF SCIENCE AND TECHNOLOGY, during the academic year 2019-2020.

The results embodied in this project report have not been submitted to any other University or Institute for the award of any degree.

Mr. M.SONACHALAM

Assistant Professor Project Guide

Dr. B.NAGESHWAR RAO Head of the Department

Mechanical Four

DR. K.S.S.S.N.REDDY Principal M H H H V E E R estimate of Schure L 1504-01057 Bandrageda, Hyd- 500 003

MAHAVEER INSTITUTE OF SCIENCE & TECHNOLOGY Vyasapuri,Bandlaguda, Keshavagiri Post, Hyderabad-500005.

DEPARTMENT OF MECHANICAL ENGINEERING



This is to certify that the project work entitled "MINIMIZATION OF SINK MARK DEFECTS IN INJECTION MOULDING PROCESS" is submitted by A ANIL KUMAR, K SHRAVAN REDDY, M AKHIL TEJA in partial fulfilment of the requirement for the award of the Degree of Bachelor of Technology in MECHANICAL ENGINEERING from MAHAVEER INSTITUTE OF SCIENCE AND TECHNOLOGY, during the academic year 2019-2020.

The results embodied in this project report have not been submitted to any other University or Institute for the award of any degree.

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(Mr. P. DURGA RAVI PRASAD) Assistant Professor Project Guide

(Mr.NAGESHWARA RAO) Professor & Head of the Department rien." of Department Dernhumical Engr.

DR. K.S.S.S.N.REDDY Principal Mth G to V E B R Mth G to V E B R

EXTERNAL EXAMINAR

MAHAVEER INSTITUTE OF SCIENCE & TECHNOLOGY Vyasapuri, Bandlaguda, Keshavagiri Post, Hyderabad-500005.

DEPARTMENT OF MECHANICAL ENGINEERING



CERTIFICATE

This is to certify that the project work entitled "AUTOMATED GUIDED VEHICLE WITH ROBOTIC ARM" is submitted by MOHAMMED MUBEEN QURESHI, SHAIK MUZAFFER, SYED ZAINUDDIN ABED, MOHD ABDUL SAMEER, MOHD SHAREEF JAVEED in partial fulfilment of the requirement for the award of the Degree of Bachelor of Technology in MECHANICAL ENGINEERING from MAHAVEER INSTITUTE OF SCIENCE AND TECHNOLOGY, during the academic year 2019-2020.

The results embodied in this project report have not been submitted to any other University or Institute for the award of any degree.

(Mr. MOHAMMAD SAJJAD) Assistant Professor Project Guide

EXTERNAL EXAMINAR

(Dr.B.Nageswarn Rao) Professor Head of the Department Nord of Department Mechanical Enga

DR. K.S.S.S.N.REDDY

MAHAVEER INSTITUTE OF SCHENCE & TECHNOLOGY

Vyasapuri, Bandlaguda, Keshavagiri Post, Hyderabad-500005.

DEPARTMENT OF MECHANICAL ENGINEERING



CERTIFICATE

This is to certify that the project work entitled "COMPARATIVE DESIGN AND ANALYSIS OF IC ENGINE PARTS USING CONVENTIONAL AND ALUMINUM BASED ALLOYS" is submitted by YVISHNUVARDHAN REDDY, MAHESH, E MAHENDRA KUMAR AND B VLIENDER REDDY in partial fulfilment of the requirement for the award of the Degree of Bachelor of Technology in MECHANICAL ENGINEERING from MAHAVEER INSTITUTE OF SCIENCE AND TECHNOLOGY, during the academic year 2019-2020.

The results embodied in this project report have not been submitted to any other University or Institute for the award of any degree.

Mr. M. SO

Assistant Professor Project Guide

Dr B. NAGESHWAR RAO Professor & Head of the Department Negliging al Engo.

EXTERNAL EXAMINER

DR. K.S.S.S.N.REDDY Principal IDAL M N A H V E E R

MAILAVEER INSTITUTE OF SCIENCE & TECHNOLOGY Vyasapuri, Bandlaguda, Keshavagiri Post, Hyderabad-500005.

DEPARTMENT OF MECHANICAL ENGINEERING



This is to certify that the project work entitled "EXPERIMENTAL COMPARISON OF TENSILE AND COMPRESSIVE STRENGTHS OF PLA AND ABS MATERIALS USING FDM" is submitted by V SHIVA KUMAR REDDY, S RAGHAVENDRA REDDY, A SHIVA in partial fulfilment of the requirement for the award of the Degree of Bachelor of Technology in MECHANICAL ENGINEERING from MAHAVEER INSTITUTE OF SCIENCE AND TECHNOLOGY, during the academic year 2019-2020.

The results embodied in this project report have not been submitted to any other University or Institute for the award of any degree.

(Mr.D.SANTHOSH KUMAR) Assistant Professor Project Guide

DR. B.NAGESWARA RAO Head of the Department Need of Department Nechanical Enge.

DR. K.S.S.S.N.REDDY Principal M M G G G V E E R ANTIPUTE CL SUCCESE L TECH-CL OFF Bandrageda, Hyd- 500 008

ENTERNAL EXAMINAR

ECE MAJOR PROJECT(A.	Y 2019-20)	1
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S.No	Roll No	Name of Student	Major Project title	
1	16E31A0406	A.BHARGAVI		
2	16E31A0413	D.PREETHIKA		
3	16E31A0408	B.SAI SHANKAR	Design of wireless controlled data notice board using iot	
4	16E31A0415	D.THARUN		
5	16E31A0406	A.BHARGAVI		
6	16E31A0413	D.PREETHIKA		
7	16E31A0408	B.SAI SHANKAR	Implementation of swarm robots for agriculture	
8	16E31A0415	D.THARUN	· DARTER	
9	16E31A0448	THANDA KARTHIK		
10	16E31A0436	PANYALA NAVYASREE	17	
11	16E31A0437	PARIDULA SHIVA TEJA	The second	
12	16E31A0438	PETA SAI TEJA	Design & implementation of various sram cells using	
13	16E31A0439	P.SHEKAR	mentor graphics	
14	16E31A0410	B.SRIDEVI		
15	16E31A0435	PAKEER GANESH		
16	16E31A0403	A.SHIVANI GOUD		
17	16E31A0407	B.NAVYA SREE	Anti theft protection of vehicle by gsm and gps with finger	
18	16E31A0451	THOGUTE NAGARAJ	print verification	
19	16E31A0452	TINGRIKAR BHARATH RAJ		
20	16E31A0423	KALWA HARIKA		
21	16E31A0445	SOM APARNA		
22	16E31A0442	RAPELLI HARIKA	Implementation of quadraped robot using arduino	
23	15E31A0475	K.AJAY GOUD		
24	16E31A0433	MOHAMMAD AMEER KHAN		
25	16E31A0405	A.GANESH		
26	16E31A0402	A.SWATHI	and the second	
27	16E31A0429	KULKARNI MANOJ	Implementation of quadraped robot using arduino	
28	16E31A0418	G HARISH	1	
29	15E31A0407	B.RAKESH	and the second s	
30	16E31A0401	A.AKSHAYA	19 AC	
31	16E31A0420	HASBI SHRUTHI	Design & implementation of various sizuate using	



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31A0457 V	V.MADHU TEJA		
31A0475 C	CH.KAVYA	A State State Sector and State Sector	les in
81A0482 K	K.AISHWARYA		
31A0493 S	S.SHEERIN	Implementation of robotic waiter at restaurant	1 A A A A A A A A A A A A A A A A A A A
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31A0495 S	SIMALI ROY CHOWDHURY		
31A0457 A	AERUKALA SAI CHITRA	Hand gesture vocalizer for deaf and dumb people	at i
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	CHEKKALA GANESH	Implementation of three axis robotic arm	PRINCIPAL PRINCI
81A 81A 81A	0480 C 0464 A 0479 C 0491 F 0467 E	0480 GANGULA NIKHIL REDDY 0464 ANUMOLU NARENDRA SAI 0479 GANGIREDDY MAHENDER 0491 REGULLA CHANDRAKANT 0467 BIJJALA SHRAVANI	0480 GANGULA NIKHIL REDDY Spraying pesticides using drone with camera monitoring 0464 ANUMOLU NARENDRA SAI capability 0479 GANGIREDDY MAHENDER capability 0491 REGULLA CHANDRAKANTI capability 0467 BIJJALA SHRAVANI capability

66	16E31A0477	ELLENDULA VARSHITH	Implementation of three axis robotic arm
67	16E31A0461	A.SHALINI	
68	16E31A0474	CHITTEPU PREMALATHA	
69	16E31A0483	KONDOJU ANIL KUMAR	
70	16E31A0462	ANNAM SRAVAN	High level security system using biometric and wireless
71	16E31A0460	ANKAM SRIVARSHA	communication
72	16E31A0468	BODDUPALLI VAMSHIKRIS	the second se
73	16E31A0488	PIDIKIRALA RAKESH KUMA	1.2.11-24
74	16E31A0486	MURUGESHAN SAI SUNDAI	Implementation of robotic hand using wireless gesture
75	16E31A0466	BATTA SREE AMRUTH VAN	
76	16E31A04A1	V SHIVASHANKAR REDDY	
77	16E31A0497	SUSHMA	
78	16E31A0470	CHALLA VARUN REDDY	
79	16E31A0472	CHILUKA HARISH	Gesture controlled robot using accelerometer
80	16E31A0492	SALADI NITHISH PHANI	
81	16E31A04A2	VARAPRASAD GADHIRAJU	
82	16E31A0463	A.KIRAN KUMAR REDDY	
83	16E31A0459	A.SHIVANI	Smart wheel chair control using touch and speech
84	16E31A0499	T.PRIYANKA	
85	16E31A0481	GOPIREDDY MANICHANDA	
86	16E31A0456	ABHILASH REDDY KODIGA	
87	16E31A0465	B PRADEEP	Automatic parking system using firebird-v robot
88	16E31A0469	CH SUSHMITHA	Automatic parking system using meen d + 10000
89	16E31A0476	E.VAMSHI PRANAY	
90	16E31A0487	NEELA JASHWANTH	and the second se
91	16M31A0445	S.R.DHARMA SAI	
92	17895A0401	G.PAVAN KALYAN	Implementation of pocket gps
93	17M35A0406	MD.IMRAN KHAN	
94	17M35A0403	K.SAI KUMAR REDDY	

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Co-ordinator

R HOD, ECE Dept

PRINCIPAL PRINCIPAL MANAVEER MANAVEER METITUTE OF SCIENCE & TECHNOLOGY METITUTE OF SCIENCE & TECHNOLOGY Bandiaguda, Hyd-500 005.

DEPARTMENT OF ELECTRONICS & ENGINEERING COMMUNICATION vysapuri, Bandlaguda Post:Koshavgiri, lyderabad-500 005, TS INDIA ol: 040-20020772,20020773,.Fax: 040-24455003 i-mail: e3hod.ece@amail.com, Vebsite: www.mist.ac.in,

INSTITUTE OF SCIENCE & TECHNOLOGY



Approved by AICTE, Affilitated to JNTUH, Hyd.

CERTIFICATE

This is to certify that the project work entitled "Design of Wireless Controlled Data Notice Board Using IOT" is submitted by

A.Bhargavi	16E31A0406	Bropi
B.Sai Shanker	16E31A0408	\$-
D.Preethika	16E31A0413	preciliki
D. Tharun	16E31A0415	Home
T.Karthik	16E31A0448	Kes flite.

In partial fulfilment of the requirements for the Degree of Bachelor of Technology in Electronics & Communication Engineering of Mahaveer Institute of Science & Technology, Hyderabad, during the academic year 2019-20, is a bonafide record of work carried out under our guidance and supervision.

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M.Devaraju

Associate Professor Guide

K.Venkateswarlu Assistant Professor Project Coordinator

External Examiner



Dr. Jaspal Kuma

Professor

Head of Dept.

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SE & TECHNOLOGY



<u>Certificate</u>

This is to certify that

A.BHARGAVI B.SAISHAŃKER D.PREETHIKA D.THARUN T.KARTHIK 16E31A0406 16E31A0408 16E31A0413 16E31A0415 16E31A0448

Students of final year B.Tech, Electronics and Communication Engineering, MAHAVEER INSTITUTE OF SCIENCE AND TECHNOLOGY, HYDERABAD (affiliated to J.N.T. University, Hyderabad), have successfully completed their project titled "DESIGN OF WIRELESS CONTROLLED DATA NOTICE BOARD USING IOT" in EMBEDDED SYSTEMS DIVISION, CONSCIENCE TECHNOLOGIES (CT), Hyderabad.

For CONSCIENCE TECHNOLOGIES Project Manager K.V. REDDY



DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

0

Vysapuri, Bandlaguda Post: Keshavgiri, Hyderabad-500 005, TS INDIA Tel: 040-20020772,20020773,,Fax: 040-24455003 E-mail: eJhod.ece@gmail.com, Website: www.mist.ac.in,





CERTIFICATE

This is to certify that the project work entitled "Quadruped Robot using Arduino Nano" is submitted by

A.Swathi	16E31A0402	
A.Ganesh	16E31A0405	have A
G.Harish	16E1A0418	- Kor - Len II
K.Manoj	16E1A0429	tall
B.Rakesh	15E31A0407	

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M.Srinu Assistant Profes Guid

K. Venkateswarlu

Assistant Professor Project Co-coordinator

Dr. JaspalKumar

Professor Head of Dept



External Examiner

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HAVEER INSTITUTE OF SCIENCE & TECHNOLOGY Eandlaguda, Hyd-500 005,

PARTMENT OF ELECTRONICS & MMUNICATION ENGINEERING opurl, Bandlaguda Post:Keshavgiri, erabad-500 005, TS INDIA 040-20020772,20020773,Fax: 040-24455003 all: <u>e3hod.ece@qmail.com</u>, isile: www.mist.ac.in,





CERTIFICATE

This is to certify that the project work entitled "Design & Implementation of Various Circuits using Reversible logic gates" is submitted by

A.Akshaya	16E31A0401	Arshy
H.Shruthi	16E31A0420	H.Slans
J.Vamshi Krishna	16E31A0421	paried.
L.Adithya	16E31A0430	(LM.
G.Pravalika	16E31A0440	Drau

In partial fulfillment of the requirements for the Degree of Bachelor of Technology in **Electronics & Communication Engineering** of Mahaveer Institute of Science & Technology, Hyderabad, during the academic year 2019-20, is a bonafide record of work carried out under our guidance and supervision.

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K.Venkateswarlu Assistant Professor Guide

K.Venkateswarlu Assistant Professor Project Coordinator

Jaspal Ku

Dr.Jaspal Kumar Professor Head of Dept.

External Examiner



Scanned with CamScanner

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EPARTMENT OF ELECTRONICS & OMMUNICATION ENGINEERING Iysapuri, Bandlaguda Post:Keshavgiri, yderabad-500 005, TS INDIA el: 040-20020772,20020773, Fax: 040-24455003 Smail: e3hod.oce@gmail.com, Jebsite: www.mistac.in,

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CERTIFICATE

This is to certify that the project work entitled "Design & Implementation of Various SRAM Cells Using Mentor Graphics" is submitted by

A.Shivani	16E31A0403	
B.Navya Sri	16E31A0407	
P.Ganesh	16E31A0435	
T.Nagaraj	16E31A0451	
T.Bharath	16E31A0452	

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K. Venkateswarlu Assistant Professor Guide

K.Venkateswarlu Assistant Professor Project Coordinator

Dr. Jaspal Kumar Professor Head of Dept.



External Examiner

E OF SCIENCE & TECHNOLOGY Bandaguda, Hid-500 005.

EPARTMENT OF ELECTRONICS & OMMUNICATION ENGINEERING

sapuri, Bandlaguda Post:Koshavgiri, derabad-500 005, TS INDIA 1 040-20020772,20020773, Fax: 040-24455003 mail. <u>e3hod.ece@qmail.com</u>, 2bsite: www.mist.ac.in, Approved by AICTE, Affilitated to JNTUH, Hyd.



CERTIFICATE

This is to certify that the project work entitled "Pollution and Environment Monitoring Using IOT" is submitted by

K.Anja Chary	16E31A0426	
K.Vikram	16E31A0427	
S.Rasheeda Begum	16E31A0443	
S.Sanjay	16E31A0446	
V.Harish Chary	16E31A0453	

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S.Kirpal Kour Assistant Professor Guide

K.Venkateswarlu Assistant Professor Project Coordinator



Dr. Jaspal Kumar Professor Head of Dept.



External Examiner

PRINCIPAL MAHAVEER MSHTUH OF SCIENCE & TECHNOLOGY BETRIANUNGA, F. 1 500 005.



<u>Certificate</u>

This is to certify that

K.ANJA CHARY16E31A0426K.VIKRAM16E31A0427S.RASHEEDA BEGUM16E31A0443S.SANJAY16E31A0446V.HARISH CHARY16E31A0453

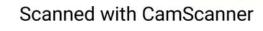
Students of final year B.Tech, Electronics and Communication Engineering, MAHAVEER INSTITUTE OF SCIENCE AND TECHNOLOGY, HYDERABAD (affiliated to J.N.T.University, Hyderabad), have successfully completed their project titled "POLLUTION AND ENVIRONMENT MONITORING USING IOT" in EMBEDDED SYSTEMS DIVISION, CONSCIENCE TECHNOLOGIES (CT), Hyderabad.

For CONSCIENCE TECHNOLOGIES

Project Manager

K.V. REDDY

MAHAVEER MAHAVEER INSTITUTE OF SCIENCE & TECHNOLOGY Bandlaguda, Hyd-500 005.



DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING Vysapuri, Bandlaguda Post: Kshavgiri, Hyderabad-500 005,TS INDIA Tel: 040-20020772,20020773, Fax: 040-24455003 E-mail: <u>e3hod.ece@gmail.com</u>, website : WWW.mist.ae.in,





CERTIFICATE

This is to certify that the project work entitled "Anti- theft protection of vehicle with GSM and GPS using Fingerprint" is submitted by

K. Harika	16E31A0423	Abort
MD. Ameer Khan	16E31A0433	And
R. Harika	16E31A0442	Rettour
S.Aparna	16E31A0445	Alex
K. Ajay Goud	16E31A0475	ARK -

In partial fulfilment of the requirements for the Degree of Bachelor of Technology in **Electronics and Communication Engineering** of Mahaveer Institute of Science and Technology, Hyderabad, during the academic year 2019-20, is a bonafide record of work carried out under our guidance and supervision.

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S. Soujanya Assistant Professor Guide

K.Venkateswarlu

Assistant Professor Project Coordinator

Dr.Jaspal Kumar

Professor

Head of Dept.

ORINCIPA

External Examiner

Scanned with CamScanner

Certificate

This is to certify that

K.HARIKA	16E31A0423
MD.AMEER KHAN	16E31A0433
R.HARIKA	16E31A0442
S.APARNA	16E31A0445
K.AJAY GOUD	15E31A0475

Students of final year B.Tech, Electronics and Communication Engineering, MAHAVEER INSTITUTE OF SCIENCE AND TECHNOLOGY, HYDERABAD (affiliated to J.N.T. University, Hyderabad), have successfully completed their project titled "ANTI-THEFT PROTECTION OF VEHICLE WITH GSM AND GPS USING FINGERPRINT " in EMBEDDED SYSTEMS DIVISION, CONSCIENCE TECHNOLOGIES (CT), Hyderabad.

For CONSCIENCE TECHNOLOGIES

Project Manager

K.V. REDDY

INSTITUTE OF SCIENCE & TECHNOLOSY AHAVEER Bandlaguda, Hyd-500 005.

(117-33/2C-3rd Floor, Opp. Banked Methods for American Hanction Hall Unc. Disuktristan Hyderabad 500060,

PARTMENT OF ELECTRONICS & MMUNICATION ENGINEERING sapuri, Bandlaguda Post:Keshavgiri, derabad-500 005, TS INDIA 1: 040-20020772,20020773,,Fax: 040-24455003 mail: <u>e3hod.ece@qmail.com</u>, ubsite: www.mist.ac.in,





CERTIFICATE

This is to certify that the project work entitled "IOT based smart robot using GPRS with fire extinguisher capability" is submitted by

K.Pavani	16E31A0422	
K.Swamalatha	16E31A0428	
T.Bhagya sri	16E31A0450	
Y.Suryanarayana Murthy	16E31A0454	
N.Peddaraju	15M31A0422	

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S.Kirpal Kour Assistant Professor Project Guide

K. Venkateswarlu Assistant Professor Project Coordinator

Dr. Jaspal Kumar Professor Head of Dept.



External Examiner





This is to certify that

16E31A0422 K.PAVANI 16E31A0428 K.SWARNALATHA 16E31A0450 T.BHAGYA SRI 16E31A0454 Y.SURYANARAYANA MURTHY 15M31A0422

N.PEDDARAJU

Students of final year B.Tech, Electronics and Communication Engineering, MAHAVEER INSTITUTE OF SCIENCE AND TECHNOLOGY, HYDERABAD (affiliated to J.N.T. University, Hyderabad), have successfully completed their project titled "IOT BASED SMART ROBOT USING GPRS WITH FIRE DIVISION, SYSTEMS EMBEDDED CAPABILITY" in EXTINGUISHER CONSCIENCE TECHNOLOGIES (CT), Hyderabad. RINCIP MAHAVEER INSTITUTE OF SUFFICE & FROMOLOGY

For CONSCIENCE TECHNOLOGIES

Project Manager

K.V. REDDY

www.consciencelechnologies.com info@consciencetechnologies.com Address #17-83/2C, 3rd Floor, Opp. Bank of Maharashtra Annapurna Fucnction Hall Line, Dilsukhnagar, Hyderabad-50006 2:040-6012 1199

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Bandlaguda, Hyd-500 005.

DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING Vysapuri, Bandlaguda Post: Kshavgiri, Hyderabad-500 005,TS INDIA Tel: 040-20020772,20020773, Fax: 040-24455003 E-mail: e3hod.ece@gmail.com, website : WWW.mist.ac.in,

MAHA INSTITUTE OF SCIENCE & TECHNOLOGY Approved by AICTE, Affilitated to JNTUH, Hyd.



CERTIFICATE

This is to certify that the project work entitled "Anti- theft protection of vehicle with GSM and GPS using Fingerprint" is submitted by

K. Harika	16E31A0423	Alt
MD. Ameer Khan	16E31A0433	Alast
R. Harika	16E31A0442	Rettori
S.Aparna	16E31A0445	Adam
K. Ajay Goud	16E31A0475	S

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S. Soujanya

Assistant Professor Guide

K.Venkateswarlu Assistant Professor Project Coordinator

Dr.Jaspal Kumar Professor Head of Dept.

External Examiner





<u>Certificate</u>

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This is to certify that

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K.HARIKA	16E31A0423
MD.AMEER KHAN	16E31A0433
R.HARIKA	16E31A0442
S.APARNA	16E31A0445
K.AJAY GOUD	15E31A0475

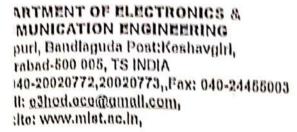
Students of final year B.Tech, Electronics and Communication Engineering, MAHAVEER INSTITUTE OF SCIENCE AND TECHNOLOGY, HYDERABAD (affiliated to J.N.T.University, Hyderabad), have successfully completed their project titled "ANTI-THEFT PROTECTION OF VEHICLE WITH GSM AND GPS USING FINGERPRINT " in EMBEDDED SYSTEMS DIVISION, CONSCIENCE TECHNOLOGIES (CT), Hyderabad.

For CONSCIENCE TECHNOLOGIES

Project Manager

K.V. REDDY

MAHAVEER HSTITUTE OF SCIENCE & TECHNOLOGY Bandlaguda, Hyd-500 005.





CERTIFICATE

This is to certify that the project work entitled "DENSITY BASED TRAFFIC SIGNAL CONTROL SYSTEM" is submitted by

E.Preetham	16E31A0416	
K.Uttej Srinivas	14E31A0425	
R.Sathish	16M31A0439	
V.Madhu Teja	14E31A0457	

In partial fulfilment of the requirements for the Degree of Bachelor of Technology in **Electronics and Communication Engineering** of Mahaveer Institute of Science and Technology, Hyderabad, during the academic year 2019-20, is a bonafide record of work carried out under our guidance and supervision.

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K.Venkateswarlu

Assistant Professor

Project Coordinator

Institution for the award of any degree or diploma.

K.Venkateswarlu

X

Dr.Jaspal Kumar

Professor Head of Dept.

Associate Professor

Guide

External Examiner

PRINCIPAL WEITH ME DE SUITIVE & TECHNOLOGY AHAVEER Banalbayuda, Hyd-500 005.



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This is to certify that

E.Preetham	16E31A0416
K. Uttej Srinivas	14E31A0425
R.Sathish	16M31A0439
V. Madhu Teja	14E31A0415

Students of final year B.Tech, Electronics and Communication Engineering, MAHAVEER INSTITUTE OF SCIENCE AND TECHNOLOGY, HYDERABAD (affiliated to J.N.T.University, Hyderabad), have successfully completed their project titled "DENSITY BASED TRAFFIC SIGNAL CONTROL SYSTEM" in EMBEDDED SYSTEMS DIVISION, CONSCIENCE TECHNOLOGIES (CT), Hyderabad.

For CONSCIENCE TECHNOLOGIES

Project Manager

K.V. REDDY



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a a Manada

Vyasapuri,Bandlaguda,Post:Keshavgiri, Hyderabad-500 005,TS,INDIA <u>Tel:040-20020772,20020773,</u> Fax:040-24455003 E-mail:e3hod.ece@gmail.com, Website:www.mist.ac.in



CERTIFICATE

This is to certify that the project work entitled "SRAM CIRCUITS FOR TRUE RANDOM NUMBER GENERATION USING INTRINSIC BIT INSTABILITY" is submitted by

> G.SOWMYA G.PRAKASH K.JAISURYA P.NAVEEN

15E31A0423 15E31A0424 15E31A0426 X 15E31A0440

In partial fulfillment of the requirements for the Degree of Bachelor of Technology in **Electronics and Communication Engineering** of Mahaveer Institute of Science and Technology, Hyderabad, during the academic year 2018-19, is a bonafide record of work carried out under our guidance and supervision.

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S.Soujanya Assistant Professor Project Guide

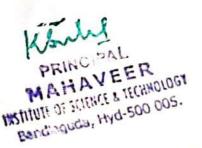
K.Venkateshwarlu Assistant Professor Project Co-ordinator

Dr. Jaspal Kumar Professor Head of Dept. Head, Electronics & Comm. Engg. Dept. Mahaveer Institute of Science & Technology Bandlaguda, Hyuurabad - 500 005.

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This is to certify that

G.SOWMYA	15E31A0423
G.PRAKASH	15E31A0424
K.JAI SURYA	15E31A0426
PNAVEEN	15E31A0440

Students of final year B.Tech, Electronics and Communication Engineering, MAHAVEER INSTITUIE OF SCIENCE AND TECHNOLOGY, HYDERABAD (affiliated to J.N.T. University, Hyderabad), have successfully completed their project titled "SRAM CIRCUITS FOR TRUE RANDOM NUMBER GENERATION USING INTRINSIC BIT INSTABILITY" in VLSI, CONSCIENCE TECHNOLOGIES (CT), Hyderabad.

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For CONSCIENCE TECHNOLOGIES

Vyasapuri, Bandlaguda, Post:Keshavgiri, Hyderabad 500 005, TS, INDIA Tel:040-20020772,20020773, Fax:040-24455003 E-mail:e3hod.ece@gmail.com, Website:www.mist.ac.in

Approved by AICTE, Affilitated to JNTUH, Hyd



CERTIFICATE

This is to certify that the project work entitled "GPS TRACKING AND EFFICENT TRANSMISSION OF DATA TO CLOUD USING MQTT" is submitted by

S.R Dharma Sai	16M31A0445	and the second
K.Sai kumar Reddy	17M35A0403	
G.Pavan Kalyan	17895A0401	and the second
Mohd Imran Khan	17M35A0406	en ant of the instant of the second secon

In partial fulfillment of the requirements for the Degree of Bachelor of Technology in Electronics and Communication Engineering of Mahaveer Institute of Science and Technology, Hyderabad, during the academic year 2020, is a Bonafide record of work carried out under our guidance and supervision.

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M.Obula Reddy

Assistant Professor

Project Guide

K. Venkateswarlu

Dr. Jaspal Kumar

Assistant professor

Project Coordinator

Professor Head of Dept



External Examine



COMMUNICATION ENGINEERING Vysapuri, Bandlaguda Post:Keshavgiri,

Vysapuri, Bandlaguda Post.Rosnavgin, tyderabad-500 005, TS INDIA rel: 040-20020772,20020773, Fax: 040-24455003 E-mail: <u>e3hod.ece@gmail.com</u>, Website: www.mist.ac.ln,



CERTIFICATE

This is to certify that the project work entitled "Automatic Parking System Using Fire Bird V" is submitted by

K. Abhilash Reddy	16E31A0456	K-Abbild Reld
B. Pradeep	16E31A0465	B. Pere
Ch. Sushmitha Reddy	16E31A0469	ch-supply
E. Vamshi Pranay	16E31A0476	5 Vash
N. Jashwanth	16E31A0487	N Jack Dauth

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Ch.Sungeep Kumar

Assistant Professor Project Guide

K.Venkateswarlu Assistant Professor Project Coordinator

Dr.Jaspal Kumar Professor Head of Department

External Examiner



PRINCIPAL MAHAVEER INSTITUTE OF SCIENCE & TECHNOLOGY Band aguda, Hyd-500 005.

Certificate

This is to certify that

K.ABHILASH REDDY

001215(01)21

16E31A0456 16E31A0465

16E31A0469

B.PRADEEP

CH.SUSHMITHA REDDY

E.VAMSHI PRANAY

N.JASHWANTH

16E31A0487

16E31A0476

Students of final year B.Tech, Electronics and Communication Engincering, MAHAVEER INSTITUTE OF SCIENCE AND TECHNOLOGY, HYDERABAD (affiliated to J.N.T.University. Hyderabad), have successfully completed their project titled "AUTOMATIC PARKING SYSTEM USING FIREBIRD-V ROBOT" in EMBEDDED SYSTEMS DIVISION, CONSCIENCE TECHNOLOGIES (CT), Hyderabad. PRINCIPAL VEER ENCE & TECHNOLOGY

For CONSCIENCE TECHNOLOGIES

Project Manager

K.V. REDDY

guda, Hyd-500 005.

DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING Vyteput, Bandlaguda Post:Keshavgiri, Nyderabad-500 005, TS INDIA Hyderabad-500 005, TS INDIA Email: adhed.cccfTomail.com. E-mail: adhed.cccfTomail.com. Websile: www.mist.ac.in,





CERTIFICTE

This is to certify that the project work entitled "Smart Wheelchair control using Touch and Speech" is submitted by

A. Shivani	16E31A0459	A. Shivani
A. Kiran Kumar Reddy	16E31A0463	kingu
G. Mani Chandana	16E31A0481	GI. Manichandura
T. Priyanka	16E31A0499	Poryanka

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in Electronics & Communication Engineering of Mahaveer Institute of Science

& Technology, Hyderabad, during the academic year 2019-20, is a bonafide record of work carried out under our guidance and supervision.

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M.Chicasa

Guide

Assistant Professor

External Examiner.

K.Venkateswarlu

Assistant Professor

Project Coordinator

Dr. Laspal Kuman Jan M. J. Professor PRINCIPAL Head of Dept. MANA VEER Bandlaguda, Hyd-500 005: Bandlaguda, Hyd-500 005:



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This is to certify that

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A. SHIVANI

A. KIRAN KUMAR REDDY

G. MANI CHANDANA

T. PRIYANKA

16E31A0459 16E31A0463 16E31A0481 16E31A0499

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Students of final year B.Tech. Electronics and Communication Engineering. MAHAVEER INSTITUTE OF SCIENCE AND TECHNOLOGY. HYDERABAD (affiliated to J.N.T.University, Hyderabod), have successfully completed their project titled "SMART WHEELCHAIR CONTROL USING TOUCH AND SPEECH" In EMBEDDED SYSTEMS DIVISION. CONSCIENCE TECHNOLOGIES (CD. Hyderabad.

For CONSCIENCE TECHNOLOGIES

Project Manager

KV. REDDY

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WANNEIPAL MAHAVEER INSTITUTE OF SCIENCE & TECHNOLOGY Bandlaguda, Hyd-500 005-

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PARTMENT OF ELECTRONICS & MMUNICATION ENGINEERING

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Approved by AICTE, Affilitated to JNTUH, Hyd.

CERTIFICATE

This is to certify that the project work entitled "Gesture Controlled Robot Using Accelerometer" is submitted by

Ch. Varun Reddy	16E31A0470	C. Valun Red y
Ch . Harish	16E31A0472	-64°F
S. Nithish Phani	16E31A0492	MUWNY
G. Varaprasad	16E31A04A2	to the second burgers

In partial fulfillment of the requirements for the Degree of Bachelor of Technology in Electronics & Communication Engineering of Mahaveer Institute of Science & Technology, Hyderabad, during the academic year 2019-20, is a bonafide record of work carried out under our guidance and supervision.

The results embodied in this report have not been submitted to any other University or Institution for the award of any degree or diploma.

Kumar Assistant Professor Project Guide

K. Venkateswarlu Assistant Professor Project Coordinator

Dr. Jaspal Kumar Professor Head of Department

External Examiner



Certificate

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This is to certify that16E31A0470CH.VARUN REDDY16E31A0472CH.HARISH16E31A0472S.NITHISH PHANI16E31A0492G.VARAPRASAD16E31A04A2

Students of final year B.Tech, Electronics and Communication Engineering, MAHAVEER INSTITUTE OF SCIENCE AND TECHNOLOGY, HYDERABAD (affiliated to J.N.T.University, Hyderabad), have successfully completed their project titled "GESTURE CONTROL ROBOT USING ACCELEROMETER" in EMBEDDED SYSTEMS DIVISION, CONSCIENCE TECHNOLOGIES (CT), Hyderabad.

For CONSCIENCE TECHNOLOGIES

Project Manager

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K.V. REDDY

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MANAVEEN INSTITUTE OF SCIENCE & TECHNOLOG



Approved by AICTE, Affilitated to JNTUH.Hyd.

CERTIFICATE

This is to certify that the project work entitled "Design of Robotic Hand Using Wireless Gesture

Control" is submitted by

B. S. Amruth Vamshi	- 16E31A0466	Flor -
M. Sai Sundar	16E31A0486	H.H.
P. Rakesh Kumar	16E31A0488	P. Robert
K. Sushma Reddy	16E31A0497	K. Sushin
V. Shiva Shankar Reddy	16E31A04A1	Stant

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M. Cheenya Assistant Professor Project Guide



K. Venkateswarlu Assistant Professor Project Coordinator

External Examiner.

Dr. Jaspal Kumar Professor

Head of Dept.



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This is to certify that

B. S. AMRUTH VAMSHI	16E31A0466
M. SAI SUNDAR	16E31A0486
P, RAKESH KUMAR	16E31A0488
K. SUSHMA REDDY	16E31A0497
V, SHIVA SHANKAR REDDY	16E31A04A1

Students of final year B.Tech, Electronics and Communication Engineering, MAHAVEER INSTITUTE OF SCIENCE AND TECHNOLOGY, HYDERABAD (affiliated to J.N.T.University, Hyderabad), have successfully completed their project titled "DESIGN OF ROBOTIC HAND USING WIRELESS GESTURE CONTROL" in EMBEDDED SYSTEMS DIVISION, CONSCIENCE TECHNOLOGIES (CT), Hyderabad.

For CONSCIENCE TECHNOLOGIES

Project Manager

K.V. REDDY

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DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING Vysapuri, Bandlaguda Post:Keshavgiri, Hyderabad-500 005, TS INDIA Tel: 040-20020772,20020773, Fax: 040-24455003 E-mail: <u>e3hod.ece@qmail.com</u>, Website: www.mist.ac.in,





Approved by AICTE, Affilitated to JNTUH.Hyd.

CERTIFICATE

This is to certify that the project work entitled "High Level Security System Using Biometric and wireless communication" is submitted by

A. Srivarsha	16E31A0460	A-Sovarsha
A.Sravan	16E31A0462	A9-11-
B.Vamshi krishna	16E31A0468	Bramshatishna
K.Anil kumar	16E31A0483	K=Ang Kumbr

In partial fulfillment of the requirements for the Degree of Bachelor of Technology in Electronics & Communication Engineering of Mahaveer Institute of Science & Technology, Hyderabad, during the academic year 2019-2020, is a bonafide record of work carried out under our guidance and supervision.

The results embodied in this report have not been submitted to any other University or Institution for the award of any degree or diploma.

Assistant Protess Project Guide

Assistant Professor Project Coordinator

Ventersevulu

Head of Department

Professor

Town & La



External Examiner

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<u>Certificate</u>

This is to certify that

A.SRI VARSHA	16E31A0460
A.SRAVAN	16E31A0462
B.VAMSHI KRISHNA	16E31A0468
K.ANIL KUMAR	16E31A0483

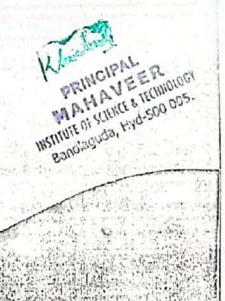
Students of final year B.Tech, Electronics and Communication Engineering, MAHAVEER INSTITUTE OF SCIENCE AND TECHNOLOGY, HYDERABAD (affiliated to J.N.T.University, Hyderabad), have successfully completed their project titled "HIGH LEVEL SECURITY SYSYTEM USING BIOMETRIC AND WIRELESS COMMUNICATION" in EMBEDDED SYSTEMS DIVISION, CONSCIENCE TECHNOLOGIES (CT), Hyderabad.

For CONSCIENCE TECHNOLOGIES

Project Manager

K.V. REDDY

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PARTMENT OF ELECTRONICS & MMUNICATION ENGINEERING sepuri, Bandlaguda Post: Keshavgiri, derabad-500 005, TS INDIA 040-20020772,20020773, Fax: 040-24455003 will sthed.coc@guail.com. balte: www.mist.ac.in,

Approved by AICTE, Affilitated to JNTUH, Hyd.



CERTIFICATE

This is to certify that the project work entitled " Implementation of Three-Axis Robotic Arm"

is submitted by

A.Shalini	16E31A0461	1.1.1.1.1.1.1.1
B.Shravani	16E31A0467	the state of the second
Ch.Ganesh	16E31A0471	
Ch.Premalatha	16E31A0474	
E.Varshith	16E31A0477	- The start are an

In partial fulfillment of the requirements for the Degree of Bachelor of Technology in Electronics & Communication Engineering of Mahaveer Institute of Science & Technology, Hyderabad, during the academic year 2019-20, is a bonafide record of work carried out under our guidance and supervision.

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or Institution for the award of any degree or diploma.

V.Himaja Assistant Professor Guide

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K.Venkateswarlu

Assistant Professor Project Coordinator Dr.Jaspal Kumar Professor Head of Dept.

External Examiner

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INSTITUTE OF SCIENCE & TECHNOLOGY Bandiaguda, Hyd-500 005.

<u>Certificate</u>

This is to certify that	
A.SHALINI	16E31A0461
B.SHRAVANI	16E31A0467
CH.GANESH	16E31A0471
CH.PREMALATHA	16E31A0474
E.VARSHITH	16E31A0477

Students of final year B.Tech, Electronics and Communication Engineering, MAHAVEER INSTITUTE OF SCIENCE AND TECHNOLOGY, HYDERABAD (affiliated to J.N.T.University, Hyderabad), have successfully completed their project titled "IMPLEMENTATION OF THREE AXIS ROBOTIC ARM" in EMBEDDED SYSTEMS DIVISION, CONSCIENCE TECHNOLOGIES (CT), Hyderabad.

For CONSCIENCE TECHNOLOGIES

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Project Manager

K.V. REDDY

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INSTITUTE OF SCIENCE Bandleguna, M DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING Vysapuri, Bandlaguda Post: Keshavgiri, Hyderabad-500 005, TS INDIA Tel: 040-20020772,20020773, Fax: 040-24455003 E-mail: <u>e3hod.ccc@gmail.com</u>, Website: www.mist.ac.in,





Approved by AICTE, Affilitated to JNTUH, Hyd.

CERTIFICATE

This is to certify that the project work entitled "Spraying pesticides using drone with camera Monitoring capability" is submitted by

A. Narendra sai	16E31A0464	Anput
G. Mahender	16E31A0479	Ginaberder
G. Nikhiı Reddy	16E31A0480	Grafaitcho
R. Chandrakanth	16E31A0491	Chardrobarth R
T. Naresh	16E31A04A0	Party

In partial fulfillment of the requirements for the Degree of Bachelor of Technology in Electronics & Communication Engineering of Mahaveer Institute of Science & Technology, Hyderabad, during the academic year 2019-2020, is a bonalide record of work carried out under our guidance and supervision.

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D. Sunitha Assistant Professor Project Guide



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K. Venkateswarlu Dr. Jaspal Assistant Professor Professor Project Coordinator Head of T

Dr. Jaspal Kumar

Head of Department

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External Examiner

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<u>Certificate</u>

This is to certify that

A.NARENDRA SAI	16E31A0464
G.MAHENDER	16E31A0479
G.NIKHIL REDDY	16E31A0480
R.CHANDRAKANTH	16E31A0491
T.NARESH	16E31A04A0

Students of final year B.Tech, Electronics and Communication Engineering, MAHAVEER INSTITUTE OF SCIENCE AND TECHNOLOGY, HYDERABAD (affiliated to J.N.T. University, Hyderabad), have successfully completed their project titled "SPRAYING PESTICIDES USING DRONE WITH CAMERA MONITORING CAPABILITY" SYSTEMS EMBEDDED in DIVISION, CONSCIENCE TECHNOLOGIES (CT), Hyderabad.

For CONSCIENCE TECHNOLOGIES

Project Manager

K.V. REDDY

PRINCIPA

INSTITUTE OF SCIENCE & TECHNOLOGY Bandlaguda, Hyd-500 005DEPARTMENT OF ELECTRONICS A GOMMUNICATION ENGINEERING Vysapuil, Bandlaguda PostiKeshavgiti, Hyderabad-Sou 605, 15 INDIA Tait 040-20020112,20020113, Fax: 040-24455003 E-mail: 6 Shed.eceal.unail.colu, Website: www.mist.ec.in,





CERTIFICATE

This is to certify that the project work entitled "Hand Gesture Vocalizer for Deaf and Dumb People" is submitted by

A.Sai Chitra	16B31A0457	offchite.
Ragant Tiwari	16831A0490	Rospin
Simali Roy Chowdhury	16131A0495	ilon il
Suro Prathyusha	16E31A0496	
T.Mamatha	17E35A0407	

In partial fulfillment of the requirements for the Degree of Bachelor of Technology in Electronles & Communication Engineering of Mahaveer Institute of Science & Technology, Hyderabad, during the academic year 2019-2020, is a bonafide record of work carried out under our guidance and supervision.

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P Stullat

K Venkaie-warlu

Associate Professor Project Guide

Assistant Professor Project Coordinator

Di Jaspal Kumar

Professor

Head of Department

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External Examiner

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This is to certify that

A.SAI CHITRA	16E31A0457
RAGANI TIWARI	16E31A0490
SIMALI ROY CHOWDHURY	16E31A0495
SURE PRATHYUSHA	16E31A0496
т.маматна	17E35A0407

Students of final year B.Tech, Electronics and Communication Engineering, MAHAVEER INSTITUTE OF SCIENCE AND TECHNOLOGY, HYDERABAD (affiliated to J.N.T.University, Hyderabad), have successfully completed their project titled "HAND GESTURE VOCALIZER FOR DEAF AND DUMB PEOPLE" in EMBEDDED SYSTEMS DIVISION, CONSCIENCE TECHNOLOGIES (CT), Hyderabad.

For CONSCIENCE TECHNOLOGIES

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Project Manager

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K.V. REDDY

PRINCIPAL MAHAVEER INSTITUTE OF SCIENCE & TECHNIOLOGY Bandlaguda, Hyd-500 005.

ARTMENT OF ELECTRONICS & MUNICATION ENGINEERING

puri, Bandlaguda Post:Keshavgiri, abad-500 005, TS INDIA 40-20020772,20020773, Fax: 040-24455003 1: <u>p3hed.ace@omail.com</u>. Ite: www.mist.ac.ln, INSTITUTE OF SCIENCE & TECHNOLOG



Approved by AICTE, Affilitated to JNTUH, Hyd.

CERTIFICATE

This is to certify that the project work entitled "Implementation of Robotic Waiter at Restaurant" is submitted by

Ch.Kavya	16E31A0475	CH. Kayya
K.Aishwarya	16E31A0482	K. Alely
S.Sheerin	16E31A0493	B+ Beesing
D.Shashank Reddy	16M31A0443	DReedy
T.Jeshwanth Reddy	16M31A0447	Brdg

In partial fulfillment of the requirements for the Degree of Bachelor of Technology in **Electronics & Communication Engineering** of Mahaveer Institute of Science & Technology, Hyderabad, during the academic year 2019-20, is a bonafide record of work carried out under our guidance and supervision.

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K.Arehana Assistant Professor Guide



K. Venkateswarlu Assistant Professor Project Coordinator

External Examiner

Dr. Jaspal Kumar Professor Head of Dept.

AVEER INSTITUTE OF SCIENCE & RECHNOLOGY Bandlaguda, Hyd-500 005.

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СН.КАУУА	16E31A0475
K.AISHWARYA	16E31A0482
S.SHEERIN	16E31A0493
D.SHASHANK REDDY	16M31A0443
T.JESHWANTH REDDY	16M31A0447

Students of final year B.Tech, Electronics and Communication Engineering, MAHAVEER INSTITUTE OF SCIENCE AND TECHNOLOGY, HYDERABAD (affiliated to J.N.T. University, Hyderabad), have successfully completed their project titled "IMPLEMENTATION OF ROBOTIC WAITER AT RESTAURANT" in EMBEDDED SYSTEMS DIVISION, CONSCIENCE TECHNOLOGIES (CT), Hyderabad. PRINCIPA MAHAVEER INSTITUTE OF SCIENCE & TECHNOLOGY

For CONSCIENCE TECHNOLOGIES

Project Manager

K.V. REDDY

Banolaguda, Hyd-500 005.

Mahaveer Institute of Science & Technology

Department of Computer Science & Engineering

IV B Tech CSE- A -- 2016-2010 BATCH Major Projects Details

No		Name	A2016-2010 BATCH Major Projects Details PROJECT NAME	GUIDE NAME	
	H.T.NO.	ANKAM VINEETHA		MRS. D SRILATHA REDDY ASST. PROFESSOR	
1	101.51710001	AVULA VAISHNAVI	Personalized affective feedback to address students frustration in ITS		
	TOCOTINODOC	M NIHARIKA	stutenta ribarita		
		BADAM ABILASH		DR. NAKKEERAN PROFESSOR & HOD	
2 16E31A0	16E31A0506	MANGILIPELLY SAI KUMAR	Human activity recognition using machine D learning		
		MARIKANTI HARIKA REDDY	Ranning		
-	16E31A0528	GOPIREDDY ANKITH REDDY	How data driven Entrepreneurs analyse imperfect information for business opportunity	MR. K. SUDHAKAR ASST.	
3	16E31A0512	MOHD NAVEED AHMED		PROFESSOR	
	16E31A0517	MOHD FASIUDDIN	evaluation		
	16E31A0531	and the second second second second			
	16E31A0524	MALGONDA POOJA	User centric machine learning framework for	MR. SREENIVAS REDDY ASST. PROFESSOR	
4	16E31A0526	MANCHIKANTI SOUMYA PUNNAMI SAI KRISHNA	cyber security operations center		
16	16E31A0545	MALKANNAGARI SRUJAY			
5	16E31A0525	DEDDV	Image based appraisal of real estate properties	MR. B. SEVANAIK ASSOC. PROFESSOR	
	16E31A0555	TUNIKI VINUTHNA	Image based appraisar of rear estate proposition	TROI LOOON	
	16UR1A0516	SOURABH JOSHI			
	16E31A0529	MD MASTAN	Modeling and predicting cyber hacking breaches	MR. MUNEER AHMED ASSOC.	
6	16E31A0549	SAFOORA FATHIMA		PROFESSOR	
	16E31A0553	TASLEEMA NOOR			
	16E31A0532	MUDAVATH PAVAN KUMAR	Customer Loan Prediction Analysis	MR. SREENIVAS REDDY	
7	16E31A0548	SACHIN DAS		ASST. PROFESSOR	
	16E31A0554	THALLAPELLI SRAVAN			
-	16E31A0535	NATHI ALEKYA	Weakly-Supervised deep embedding for product review sentiment analysis	MRS. M. SWAPNA ASS	
8	16E31A0541	PAPINENI MANOJ KUMAR		PROFESSOR	
	16E31A0542	PEESU ANUDEEP			
9		PININTI BUCHITHA REDDY Charactericing And Predicting early reviewed	Characterising And Predicting early reviewers	MRS. G. MANASA ASST.	
	16E31A0547	RIKKA VANDANA	for effective product marketing on E-commerce Websites	PROFESSOR	
	16E31A0558	VEMARAJU LASYA MAYURI			
F	16E31A0560	VIJAYALAXMI		MS.J. MADHAVI ASST.	
			Feature extraction for classifying students based on their academic performance	PROFESSOR	
10	16UR1A0517	THE REPORT OF THE PARTY ASHDEF			
-	16E31A0508	DEDDV	Semisupervised machine learning approach for Ddos detection		
11	16E31A0538			MR. K. KIRAN AS PROFESSOR	
	1	A A A A A A A A A A A A A A A A A A A			
	16E31A0557				
			Credit Card Fraud Analysis Using Predictive	MR. SREENIVAS REDDY	
	16M31A0522				
	16M31A054		Modeling	ASST. PROFESSOR	
1 3 25 55	16M31A054				
-	16M31A055		Big mart sales using machine learning with da	MR. SREENIVAS REDDY	
13	15M31A055	o Constanting and	Big mart sales using internet to be	ASST. PROFESSOR	
	15M31A055	4 S KUMAR			

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HOD-CSE

(Affiliated to JNTU Hyderabad, Approved by AICTE) Vyasapuri, Bandlaguda, Post: Keshavgiri, Hyderabad-500005



CERTIFICATE

This is to certify that the project work report entitled Human Suspicious Activity Detection Using Machine Learning which is being submitted by B.Abilash [16E31A0506],M.Saikumar[16E31A0527],M.Harika[16E31A0528] in partial fulfillment for the award of the Degree of BACHELOR OF TECHNOLOGY in COMPUTER SCIENCE & ENGINEERING of JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY, is a record of the benefitted work carried out by them under our guidance and supervision.

Dr.R.Nakkeeran, M.E., Ph.D.,

Internal Guide

External Examiner

Dr. R. Nakkeeran, M.E., Ph.D.,

Professor and Head Department of CSE

Dr. K. S. S. S. N.REDDY PRINCIPAL

(Affiliated to JNTU Hyderabad, Approved by AICTE)

Vyasapuri, Bandlaguda, Post: Keshavgiri, Hyderabad-500005



CERTIFICATE

This is to certify that the major project work report entitled "USER CENTRIC MACHINE LEARNING FRAMEWORK FOR CYBER SECURITY OPERATIONS CENTER" which is being submitted by Malgonda Pooja [16E31A0524], Manchikanti Soumya [16E31A0526] and Punnami Sai Krishna Goud [16E31A0545], in partial fulfilment for the award of the degree of BACHELOR OF TECHNOLOGY in COMPUTER SCIENCE & ENGINEERING of JAWAHARLAL **NEHRU** TECHNOLOGICAL UNIVERSITY, is a record of bonafide word carried out by them under our guidance and supervision.

Mr. M. Sree Reddy

Assistant Professor.

External Examiner

Dr. R. Nakkeeran, M. E, Ph.D.

Professor & Head



PRINCIPAL MAHAVEER INSTITUTE OF SCIENCE & TECHNOLOGY Bandlaguda, Hyd-500 005.

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MAHAVEER INSTITUTE OF SCIENCE & TECHNOLOGY (Affiliated to JNTU Hyderabad, Approved by AICTE) Vyasapuri, Bandlaguda, Post: Keshavgiri, Hyderabad-500005



CERTIFICATE

This is to certify that the project work report entitled "Personalized Affective Feedback Addressing Students' Frustration in ITS" which is being submitted by Ankam Vineetha [16E31A0504], Avula Vaishnavi [16E31A0505], M. Niharika [16E31A0522] in partial fulfillment for award of the Degree of BACHELOR OF TECHNOLOGY in COMPUTER SCIENCE & ENGINEERING of JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY, is a record of the bonafide work carried out by them under our guidance and supervision.

Mrs.D. Srilatha

Assistant Professor

External Examiner

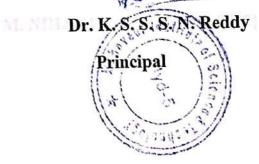
PRINCIPAL - MAHAVEER INSTITUTE OF SCIENCE & TECHNOLOGY Bandiaguda, Hyd-500 005.

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Dr. R. Nakkeeran, M. E, Ph.D.,

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Professor and Head



(Affiliated to JNTU Hyderabad, Approved by AICTE) Vyasapuri, Bandlaguda, Post: Keshavgiri, Hyderabad-500005



CERTIFICATE

This is to certify that the project work report entitled "How Data-Driven Entrepreneur Analyzes Imperfect Information for Business Opportunity Evaluation" which is being GOPIREDDY ANKITH REDDY [16E31A0512], submitted by MOHD NAVEED AHMED [16E31A0517], MOHD FASIUDDIN [16E31A0531] in partial fulfillment for the award of the Degree of BACHELOR OF TECHNOLOGY in COMPUTER SCIENCE & ENGINEERING of JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY, is a record of the benefitted work carried out by them under our guidance and supervision.

Mr. K. Sudhakar

Dr. R. NAKKEERAN, M.E., Ph.D.,

Professor and Head

Dr. K. S. S. S. N. REDDY

PRINCIPAL

Internal Guide

External Examiner

(Affiliated to JNTU Hyderabad, Approved by AICTE) Vyasapuri, Bandlaguda, Post: Keshavgiri, Hyderabad-500005



CERTIFICATE

This is to certify that the major project work report entitled "Modeling and Predicting Cyber Hacking Breaches" which is being submitted by MD.Mastan [16E31A0529],Safoora Fatima [16E31A0549],Tasleema Noor [16E31A0553] in partial fulfilment for the award of the Degree of BACHELOR OF TECHNOLOGY in COMPUTER SCIENCE & ENGINEERING of JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY, is a record of the bonafide work carried out by them under our guidance and supervision.

Mr. Muneer Ahmed

Associate.Professor.

External Examiner

Dr. R. Nakkeeran, M.E, Ph.D.

Professor and HOD (C.S.E)

Dr. K. S. S. S. N. Reddy Principal

(Affiliated to JNTU Hyderabad, Approved by AICTE) Vyasapuri, Bandlaguda, Post: Keshavgiri, Hyderabad-500005



CERTIFICATE

This is to certify that the project work report entitled "IMAGE BASED APPRAISAL OF REAL ESTATE PROPERTIES" which is being submitted by M.SRUJAY [16E31A0525],T.VINUTHNA [16E31A0555] and SOURABH JOSHI [16UR1A0516] in partial fulfilment for the award of the Degree of BACHELOR OF TECHNOLOGY in COMPUTER SCIENCE & ENGINEERING of JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY, is a record of the bonafide work carried out by them under our guidance and supervision.

Mr.B.SEVA NAIK

Associate Professor. (Internal guide)

External Examiner

Dr. R. NAKKEERAN, M.E., Ph.D

Prof. and HOD Department of CSE



(Affiliated to JNTU Hyderabad, Approved by AICTE) Vyasapuri, Bandlaguda, Post: Keshavgiri, Hyderabad-500005



CERTIFICATE

This is to certify that the project work report entitled "Customer Loan Prediction Analysis" which is being submitted by Mudavath Pavan Kumar [16E31A0532], Sachin Das [16E31A0548], Thallapelli Sravan [16E31A0554] in partial fulfillment for the award of the Degree of BACHELOR OF . of TECHNOLOGY in COMPUTER SCIENCE & ENGINEERING JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY, is a record of the bonafide work carried out by them under our guidance and supervision.

Mr. M. Sreenivas Reddy

Associate Professor.

Dr. R. Nakkeeran, M. E, Ph.D.

Professor & Head



External Examiner

INSTITUTE OF SCIENCE & TECHNOLOGY Bandlaguda, Hyd-500 005.

II

PRINCIPAL MANAVEER

(Affiliated to JNTU Hyderabad, Approved by AICTE) Vyasapuri, Bandlaguda, Post: Keshavgiri, Hyderabad-500005



CERTIFICATE

This is to certify that the minor project report entitled "weekly Supervised Deep Embedding for Product Review Sentiment Analysis" which is submitted by N.Alekya[16E31A0535], P.Manoj [16E31A0541], P.Anudeep[16E31A0542] in partial fulfillment for the award of the Degree of BACHELOR OF TECHNOLOGY in COMPUTER SCIENCE & ENGINEERING of JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY, is a record of the bonafide work carried out by them under our guidance and supervision.

Mrs. M.SWAPNA

Internal Guide

External Examiner

Dr. R. NAKKEERAN, M.E., Ph.D.,

Professor and Head Department of CSE

Dr. K. S. S. S. N. REDDY

PRINCIPAL

PRINCIPAL MAHAVEER INSTITUTE OF SCIENCE & TECHNOLOGY Bandlaguda, Hyd-500 005.

ii

(Affiliated to JNTU Hyderabad, Approved by AICTE) Vyasapuri, Bandlaguda, Post: Keshavgiri, Hyderabad-500005



CERTIFICATE

This is to certify that the major project work report entitled "Characterizing and predicting early reviewers for effective product marketing on e-commerce website" which is being submitted by P RUCHITHA[16E31A0543], R VANDANA[16E31A0547], V LASYA MAYURI[16E31A0558] in partial fulfilment for the award of the Degree of BACHELOR OF TECHNOLOGY in COMPUTER SCIENCE & ENGINEERING of JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY, is a record of the bona fide work carried out by them under our guidance and supervision.

gonals

Mrs.G.Manasa

Assistant/Associate. Professor.

External Examiner

Dr. R. Nakkeeran, M. E, Ph.D.

Professor & HOD

Dr. K. S. S. S. N. Reddy Principal

(Affiliated to JNTU Hyderabad, Approved by AICTE) Vyasapuri, Bandlaguda, Post: Keshavgiri, Hyderabad-500005



CERTIFICATE

This is to certify that the major project work report entitled "Feature Extraction for Classifying Students Based on their Academic Performance" which is being submitted by P.Swetha Reddy [16UR1A0514], S.JayaShree Reddy [16UR1A0517],B.Vijayalaxmi [16E31A0560] in partial fulfilment for the award of the Degree of BACHELOR OF TECHNOLOGY in COMPUTER SCIENCE & ENGINEERING of JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY, is a record of the bonafide work carried out by them under our guidance and supervision.

Mrs.J

Assistant Professor

External Examiner

Dr. R. Nakkeeran, M. E, Ph.D. Professor& HOD



(Affiliated to JNTU Hyderabad, Approved by AICTE) Vyasapuri, Bandlaguda, Post: Keshavgiri, Hyderabad-500005



CERTIFICATE

This is to certify that the major project work report entitled "credit card fraud analysis using predictive modelling" which is being submitted by G.Shiva Kumar[16M31A0522], P. Rakessh[16M31A0543], P. Saharsh[16M31A0545], Rajini Varma[16M31A0558] in partial fulfilment for the award of the Degree of BACHELOR OF TECHNOLOGY in COMPUTER SCIENCE & ENGINEERING of JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY, is a record of the bona fide work carried out by them under our guidance and supervision.

Mr. Sreenívas Reddy

Dr. R. Nakkeeran, M. E, Ph.D.,

Prof. and Head

Dr. K. S. S. N. PRINCIP

Assistant.Professor.

External Examiner

(Affiliated to JNTU Hyderabad, Approved by AICTE) Vyasapuri, Bandlaguda, Post: Keshavgiri, Hyderabad-500005



CERTIFICATE

This is to certify that the major project work report entitled "Big Mart Sales Using Machine Learning With Data Analysis" which is being submitted by R. Shekar [15M31A0552], S. Kumar [15M31A0554], in partial fulfilment for the award of the Degree of BACHELOR OF TECHNOLOGY in COMPUTER SCIENCE & ENGINEERING of JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY, is a record of the bona fide work carried out by them under our guidance and supervision.

Mr. Sreenivas Reddy

Assistant.Professor.

External Examiner

Dr. R. Nakkeeran, M. E, Ph.D,

Professor and Head

Dr. K. S. S. S. N. Reddy PRINCIPAL

PRINCIPAL MAHAVEER INSTITUTE OF SCIENCE & TECHNOLOGI Bandlaguda, Hyd-500 005.

(Affiliated to JNTU Hyderabad, Approved by AICTE) Vyasapuri, Bandlaguda, Post: Keshavgiri, Hyderabad-500005



CERTIFICATE

This is to certify that the project work report entitled "SEMI-SUPERVISED MACHINE LEARNING APPROACH FOR DDOS DETECTION" which is being submitted by Bijjur Vishanth Reddy [16E31A0508], Pagala Kalyan [16E31A0538], Vaddi Shiva Kumar [16E31A0557], Gunti Venu[16UR1A0507] in partial fulfilment for the award of the Degree of BACHELOR OF TECHNOLOGY in COMPUTER SCIENCE & ENGINEERING of JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY, is a record of the bonafide work carried out by them under our guidance and supervision.

Mr

Assistant Professor.

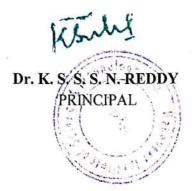
External Examiner

MAHAVEER MAHAVEER INSTITUTE OF SCIENCE & TECHNOLOGY Bandlagukka, Hyd-500 005,

ii

Dr. R. Nakkeeran, M.E., Ph.D.,

Professor and Head



(Affiliated to JNTU Hyderabad, Approved by AICTE)

Vyasapuri, Bandlaguda, Post: Keshavgiri, Hyderabad-50005



CERTIFICATE

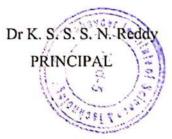
This is to certify that the major project work report entitled "Network Intrusion Detection Using Supervised Machine Learning Technique With Feature Selection" which is being submitted by SHIPRA RANI BARDHAN [16E31A05A1], Syed Furkhan[16E31A05A3], Iqra Aziz[17E35A0502] in partial fulfillment of the requirement for the award of BACHELOR OF TECHNOLOGY in COMPUTER SCIENCE & ENGINEERING of JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY is a record is a bonafide work carried out by them under our guidance and supervision.

Ms. J. Madhavi Assistant Profesessor

External Examiner

Dr R. Nakkeeran Professor and Head Department of CSE

PRINCIPAL MAHAVEER INSTITUTE OF SCIENCE & TECHNOLOGY Bandlaguda, Hyd-500 005. Mr. Shaik Jakeer Hussain. Project Co-ordinator







(Affiliated to JNTU Hyderabad, Approved by AICTE) Vyasapuri, Bandlaguda, Post: Keshavgiri, Hyderabad-500005



CERTIFICATE

This is to certify that the project work report entitled "E-ASSESSMENT USING IMAGE PROCESSING IN ∞EXAMS" which is being submitted by Gongadala Arun Kumar[16E31A0574], Hafeezuddin [16E31A0576] and Muthoju Sai Theja Chary[16E31A0591] in partial fulfilment for the award of the Degree of BACHELOR OF TECHNOLOGY in COMPUTER SCIENCE & ENGINEERING of JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY, is a record of the bonafide work carried out by them under our guidance and supervision.

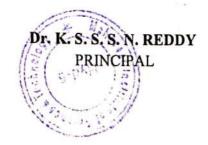
Mr. M Sreeni Reddy vas

Assistant Professor.

Dr. R. Nakkeeran

Prof. and Head Department of C. S. E

External Examiner





(Affiliated to JNTU Hyderabad, Approved by AICTE) Vyasapuri, Bandlaguda, Post: Keshavgiri, Hyderabad-500005



CERTIFICATE

This is to certify that the project work report entitled "SENSITIVE DATA PRIVACY PRESERVING FOR SMART HEALTHCARE SYSTEM" which is being submitted by M.APARNA [16E31A0587], J.AKASH[16E31A0577] and G.VINAY [16E31A0572] in partial fulfillment for the award of the Degree of BACHELOR OF TECHNOLOGY in COMPUTER SCIENCE & ENGINEERING of JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY, is a record of the bonafide work carried out by them under our guidance and supervision.

M.SWAPI

Assistant Professor.

Dr. R. NAKKEERAN Prof. and Head Department of Computer Science

External Examiner

PRINCIPAL MAHAVEER INSTITUTE OF SCIENCE & TECHNOLOGY Bandlaguda, Hyd-500 005.





(Affiliated to JNTU Hyderabad, Approved by AICTE) Vyasapuri, Bandlaguda, Post: Keshavgiri, Hyderabad-500005



CERTIFICATE

This is to certify that the Industry Oriented Major Project Report entitled "Facial Recognition Based Attendance System Using OpenCV" which is being submitted by Kistamola Chandrashekar Reddy [16E31A0580], Malothu Ranjith [16E31A0583], Suraj Singh [16E31A05A2] in partial fulfilment for the award of the Degree of BACHELOR OF TECHNOLOGY in COMPUTER SCIENCE & ENGINEERING of JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY, is a record of the bonafide work carried out by them under our guidance and supervision.

Mr. K Giri Babu

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Assistant Professor.

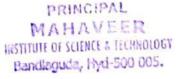
Dr. R. Nakkeeran

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Professor and Head Department of CSE

nal Examiner

Dr. K. S. S. S. N. REDDY PRINCIPAL



(Affiliated to JNTU Hyderabad, Approved by AICTE) Vyasapuri, Bandlaguda, Post: Keshavgiri, Hyderabad-500005



CERTIFICATE

This is to certify that the project work report entitled "Object Detection Using YOLO Algorithm" which is being submitted by K. Anil Reddy [16E31A0581], T. Sateesh Chandra [16E31A05A5], Y. Ajay [16E31A05A8] in partial fulfillment for the award of the Degree of BACHELOR OF TECHNOLOGY in COMPUTER SCIENCE & ENGINEERING of JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY, is a record of the bona fide work carried out by them under our guidance and supervision.

eer Hussain Mr. S Associate Professor

External Examiner

Dr. R. NA ÉERAN

Professor and Head Department of CSE

Dr. K. S. S. S. N. REDI PRINCIPAL

PRINCIPAL MAHAVEER INSTITUTE OF SCIENCE & TECHNOLOGY Bandlaguda, Hyd-500 005.



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CERTIFICATE

This is to certify that the project work report entitled "Twitter Sentiment Analysis Based on Ordinal Regression" which is being submitted by B.Surajkumar [16E31A0561],B. Santhosh [16E31A0565], C.Vaishnavi [16E31A0570] in fulfilment for the award of the Degree of BACHELOR OF TECHNOLOGY in COMPUTER SCIENCE & ENGINEERING of JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY, is a record of the bona fide work carried out by them under our guidance and supervision.

youropo Mrs. G. Manasa

Assistant Professor

akkeeran

Professor and Head Department of Computer Science

External Examiner





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CERTIFICATE

This is to certify that the Industry oriented mini project report entitled "Cyberbullying Detection based on Semantic-Enhanced Marginalized submitted bv Auto-Encoder" which is being Denoising Bishetty Sai Charan [16E31A0563], Santosh Kulkarni [16E31A0599], Shaik Munaif Mahmood [16E31A05A0] in partial fulfilment for the award of the Degree of BACHELOR OF TECHNOLOGY in COMPUTER SCIENCE & ENGINEERING of JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY, is a record of the bonafide work carried out by them under our guidance and supervision.

- 7

akeer Hussain Mr. SR Associate Professor.

External Examiner

PRINCIPAL MAHAVEER INSTITUTE OF SCIENCE & TECHNOLOGY Bandlaguda, Hyd-500 005.

Dr. R. Nakkeeran Professor and Head Department of CSE

Dr. K. S. S. S. N. Reddy PRINCIPAL





(Affiliated to JNTU Hyderabad, Approved by AICTE) Vyasapuri, Bandlaguda, Post: Keshavgiri, Hyderabad-500005



CERTIFICATE

This is to certify that the project work report entitled "Image Classification Using Convolutional Neural Networks" which is being submitted by Chinta Sai Reethika [16E31A0569], Chouti Asmitha[16E31A0571], Yerrolla Chaithanya [16E31A05B0], in partial fulfilment for the award of the Degree of BACHELOR OF TECHNOLOGY in COMPUTER SCIENCE & ENGINEERING of JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY, is a record of the bonafide work carried out by them under our guidance and supervision.

Mrs. M idya Assistant Professor.

Dr. R. Nakkeeran

Professor and Head Department of CSE

External Examiner

Dr.K.S.S.S.N.REDDY PRINCIPA

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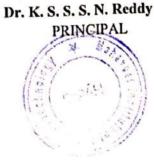
This is to certify that the industry oriented major project work report entitled "Breast Cancer Detection Using Convolutional Neural Networks" which is being submitted by B. Nitin[16E31A0564], Ch. Vamshi Chandra Shekar[16E31A0566], M. Manideep[16E3A0586] in partial fulfilment for the award of the Degree of BACHELOR OF TECHNOLOGY in COMPUTER SCIENCE & ENGINEERING of JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY, is a record of the bonafide work carried out by them under our guidance and supervision.

C

Dr. R. Nakkeeran Professor and Head Department of CSE

Dr. R. Nakkeeran Professor and Head Department of CSE

External Examiner



PRINCIPAL MAHAVEER Institute of science & technology uandiaguda, Hyd-500 005.

(Affiliated to JNTU Hyderabad, Approved by AICTE) Vyasapuri, Bandlaguda, Post: Keshavgiri, Hyderabad-500005



CERTIFICATE

This is to certify that the project work report entitled "Driver Drowsiness Monitoring System" which is being submitted by N.Srilekha [16E31A0593], Ch.Pooja [16E31A0567] and N.Prudhvi raj [16E31A0595] in partial fulfillment for the award of the Degree of BACHELOR OF TECHNOLOGY in COMPUTER SCIENCE & ENGINEERING of JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY, is a record of the bonafide work carried out by them under our guidance and supervision.

Assistant Professor.

Dr. R. NAKKEERAN

Prof. and Head Department of Computer Science

External Examiner

DY



(Affiliated to JNTU Hyderabad, Approved by AICTE) Vyasapuri, Bandlaguda, Post: Keshavgiri, Hyderabad-500005



CERTIFICATE

This is to certify that this project work report entitled "Toward Better Statistical Validation Of Machine Learning-Based Multimedia Quality Estimators" which is being submitted by A.NAVEEN[16E31A1204] and CH. ASHWIDHI[16E31A1207] in partial fulfillment for the award of the Degree of Bachelor Of Technology in Information Technology, affiliated to Jawaharlal Nehru Technological University, Hyderabad and is a record of the bonafide work carried out by them under our guidance during 2019-2020.

Signature of Project Guide

Mr.N.DEVANDER (Assistant Professor)

- Signature ead of the Department. Dr. A. Nanda Gopal Reddy

(Head of The Department)

External Examiner



(Affiliated to JNTU Hyderabad, Approved by AICTE)

Vyasapuri, Bandlaguda, Post: Keshavgiri, Hyderabad-500005



CERTIFICATE

This is to certify that this project work report entitled "MODELING AND PREDICTING CYBER HACKING BREACHES" which is being submitted by P.NAGA ANUSHA[16E31A1220] and V. MAHESH[16E31A1229] in partial fulfillment for the award of the Degree of Bachelor Of Technology in Information Technology, affiliated of Jawaharlal Nehru Technological University, Hyderabad and is a record of the bonafide work carried out by them under our guidance during 2019-2020.

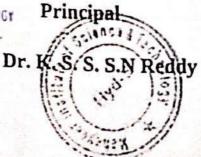
Signature of Project Guide

Mr.S.Sunil Assistant Professor

Signature of Head of the Department Dr.A.Nanda Gopal Reddy

External Examiner

MAHAVEER INSTITUTE OF SCIEXCE & TECHNOLOGY Bandlaguda, Hyd-SOU 005.



(Affiliated to JNTU Hyderabad, Approved by AICTE)

Vyasapuri, Bandlaguda, Post: Keshavgiri, Hyderabad-500005



CERTIFICATE

This is to certify that this project work report entitled "Characterizing And Predicting Early Reviewers For Effective Product Marketing On E-Commerce Websites" which is being submitted by K.VAISHNAVI [16E31A1214] and P.NAVIKANTH [16E31A1218] in partial fulfillment for the award of the Degree of Bachelor Of Technology in Information Technology, affiliated to Jawaharlal Nehru Technological University, Hyderabad and is a record of the bonafied work carried out by them under our guidance during 2019-2020.

Raseli

Signature of Project Guide

Mrs.D.Swathi

(Assistant Professor)

pepartment fthe Signature Dr.A.Nanda Gopal Reddy

(Head Of The Department)

External Examiner

MANAVEER MISTITUTE OF SCIENCE & TECHNOLOGY Bandlaguda, Hyd-500 005.

Dr.K.S.S.S.N Reddy

(Principal)

(Affiliated to JNTU Hyderabad, Approved by AICTE)

Vyasapuri, Bandlaguda, Post: Keshavgiri, Hyderabad-500005



CERTIFICATE

This is to certify that this project work report entitled "Automating E-Government Services Using Artificial Intelligence" which is being submitted by A.PAVAN RAO[16E31A1202] and Y.ABHINAYA[16E31A1231] in partial fulfillment for the award of the Degree of Bachelor Of Technology in Information Technology, affiliated of Jawaharlal Nehru Technological University, Hyderabad and is a record of the bonafide work carried out by them under our guidance during 2019-2020.

Signative af Proie Guide anda Gopal Reddy

(Head of the Department)

d of the Department Signature

A CARGO CONTRACTOR

Dr.A.Nanda Gopal Reddy (Head of the Department)

External Examiner

NCE & TECHNOLOGY Principal Bandlaguda, Hyd-500 DF K. S. S. S. N. Reddy

(Affiliated to JNTU Hyderabad, Approved by AICTE)

Vyasapuri, Bandlaguda, Post: Keshavgiri, Hyderabad-500005



CERTIFICATE

This is to certify that this project work report entitled "Context Aware Fake News Detection Using Hierarchical Discourse Level Structure " which is being submitted by Ch. Chaitanya[16E31A1206] and Vadhadiya Srina[16E31A1228] in partial fulfillment for the award of the Degree of Bachelor Of Technology in Information Technology, affiliated of Jawaharlal Nehru Technological University, Hyderabad and is a record of the bonafide work carried out by them under our guidance during 2019-2020.

Signatuk roject Quide

Dr. A. Nanda Gopal Reddy

(Head Of The Department)

Head of the Department Signature

the President States in the

Sher Y WE

Dr.A. Nanda Gopal Reddy

(Head Of The Department)

External Examiner

CIENCE & TECHNOLOGI SITULE UP SCIENCE & IECONOLOUS. Banulaguda, Hyd-500 005.



(Affiliated to JNTU Hyderabad, Approved by AICTE)

Vyasapuri, Bandlaguda, Post: Keshavgiri, Hyderabad-500005



CERTIFICATE

This is to certify that this project work report entitled "Video-Based Abnormal Driving Behaviour Detection using Deep Learning Fusions" which is being submitted by KRANTHI KUMAR.P [16E31A1221] and R.VAISHNAVI [16E31A1223] in partial fulfillment for the award of the Degree of Bachelor Of Technology in Information Technology, affiliated to Jawaharlal Nehru Technological University, Hyderabad and is a record of the bonafied work carried out by them under our guidance during 2019-2020.

J. P& R.H. Signature of Project Guide

Signature of Project Guide

Mr.V.NARESH KUMAR REDDY

: (Assistant Professor)

Signatur of the Department Dr.A.Nanda Gopal Reddy

(Head Of The Department)

External Examiner

Dr.K.S.S.S.N Reddy

(Principal)

EER

MA A HA V ECHNOLDGY INSTITUTE OF SCIENCE & TECHNOLDGY Bandlaguda, Hyd-500 005.

(Affiliated to JNTU Hyderabad, Approved by AICTE)

Vyasapuri, Bandlaguda, Post: Keshavgiri, Hyderabad-500005



CERTIFICATE

This is to certify that this project work report entitled "Multi-Traffic Scene Perception Based On Supervised Learning" which is being submitted by K.Dinesh[16E31A1212] and Samreen Sultana[16E31A1224] in partial fulfillment for the award of the Degree of Bachelor Of Technology in Information Technology, affiliated of Jawaharlal Nehru Technological University, Hyderabad and is a record of the bonafide work carried out by them under our guidance during 2019-2020.

Signature of Project Guide

Mr.S.Srinivas

(Assistant Professor)

External Examiner

Signaturd D 1 3 ad of the Department

Dr.A.Nanda Gopal Rc.ldy

(HOD,IT)

VEER INSTITUTE OF SCIENCE & TECHNOLOGY STITUTE OF SCIENCE & TECHNOOS Dr.K.S.S.S.N Reddy Bandlaguda, Hyd-500 005 Dr.K.S.S.S.N Reddy

(Principal)

(Affiliated to JNTU Hyderabad, Approved by AICTE)

Vyasapuri, Bandlaguda, Post: Keshavgiri, Hyderabad-500005



CERTIFICATE

This is to certify that this project work report entitled "Robust Malware Detection for Internet of (Battlefield) things Devices Using Deep EigenSpace Learning" which is being submitted by K.Sai Krishna[16E31A1213] and S.Gayathri[16E31A1225] in partial fulfillment for the award of the Degree of Bachelor Of Technology in Information Technology, affiliated of Jawaharlal Nehru Technological University, Hyderabad and is a record of the bonafide work carried out by them under our guidance during 2019-2020.

Signature of Project Guide

Mr.S.Srinivas

(Assistant Professor)

Signature ad of the Department

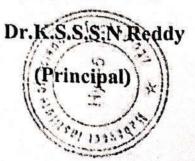
and I data TATE

Dr.A.Nanda Gopal Reddy

(HOD,IT)

VEER

INSTITUTE OF SCIENCE & TECHNOLOGY Bandlaguda, Hyd-500 005.



External Examiner

(Affiliated to JNTU Hyderabad, Approved by AICTE)

Vyasapuri, Bandlaguda, Post: Keshavgiri, Hyderabad-500005



CERTIFICATE

This is to certify that this project work report entitled "A data mining based model for detection of fraudlent behaviour in water consumption" which is being submitted by G.ARUN KUMAR [16E31A1211] and N.TEJASHWINI [16E31A1217] in partial fulfillment for the award of the Degree of Bachelor Of Technology in Information Technology, affiliated to Jawaharlal Nehru Technological University, Hyderabad and is a record of the bonafied work carried out by them under our guidance during 2019-2020.

Signature of Project Guide

Mrs.K.B.V.K NAGASREE (Assistant Professor)

Signature of the Department DHANanda Gopal Riddy

(Head Of The Department)

External Examiner

PRINCIPAL MAHAVEER MAHAVEER Bandlaguda, Hyd-500 005.



(Affiliated to JNTU Hyderabad, Approved by AICTE)

Vyasapuri, Bandlaguda, Post: Keshavgiri, Hyderabad-500005



CERTIFICATE

This is to certify that this project work report entitled "Designing Cyber Insurance Policies: The Role of Pre-Screening and Security Interdependence" which is being submitted by A.PRANATHI[16E31A1203], P.SHILPA REDDY[16E31A1219] and V.PAVAN REDDY[16E31A1230] in partial fulfillment for the award of the Degree of Bachelor Of Technology in Information Technology, affiliated to Jawaha.al Nehru Technological University, Hyderabad and is a record of the bonafide work carried out by them under our guidance during 2019-2020.

Signature of Project Guide

Mr. B. Mallaiah

(Assistant Professor)

Signature of the Department

Dr. A. Nanda Gopal Reddy

(Head of The Department)

VEER Bandlaguda, Hyd-500 005.



External Examiner

(Affiliated to JNTU Hyderabad, Approved by AICTE) Vyasapuri, Bandlaguda, Post: Keshavgiri, Hyderabad-500005



CERTIFICATE

This is to certify that the project work report entitled "Securing Data with Block Chain and Artificial Intelligence" which is being submitted by D.Sanjay [16E31A1208], T.Thejaswini [16E31A1227] in partial fulfillment for the award of the Degree of BACHELOR OF TECHNOLOGY in INFORMATION TECHNOLOGY of JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY is a record of the bonafide work carried out by them under our guidance and supervision.

rivanka

Assistant.Professor.

Dr.A. Reddy

HEAD OF THE DEPARTMENT

EXTERNAL EXAMINER

MAHAVEER MAHAVEER INSTITUTE OF SCIENCE & LECHNOLOGY Bandiaguda, Hyd-500 005, PRINCIPAL Vysapuri, Bandlaguda <u>Post:Keshavairi</u>, Hyderabad.500 005, Telengena INDIA Tel: 040.64596379.<u>8978380692</u>.,Fax: 040.64593 E-mail: <u>principal.mahaveen@gmail.com</u>, Website: www.mist.ac.In.



DEPARTMENT OF AERONAUTICAL ENGINEERING

PROJECT BATCH LIST (2019-20)

S.NO		H.T.NUMBER	NAME	MAJOR PROJECT TITLE	GUIDE
1	1	14E31A2136	SYED ALI ABULA FAZAL	DEVELOPMENT OF	Dr S R Dhinesh
2		15E31A2116	P ARAVIND REDDY	MANUFACTURING PROCESS PLAN FOR BOOSTER ROCKET	kumar

HOD

MAHAVEER MAHAVEER INSTITUT 0) SCINCE & ITCHICO100 Bandhaguda, Hyd-500 005.

DEPARTMENT OF AERONAUTICAL ENGINEERING

Vysapuri, Bandlaguda Post:Keshavgiri, Hyderabad-500 005, AP INDIA Tel: 040-20020772,20020773,Fax: 040-24455003 E-mail: e3hod.aero1@gmail.com Website: www.mist.ac.in, Approved by AICTE, Affilitated to JNTUH, Hyd.



CERTIFICATE

This is to certify that this is the bonafide record of the project titled "DEVELOPMENT OF MANUFACTURING PROCESS PLAN FOR BOOSTER ROCKET" is submitted by, SYED ALI ABUL FAZAL (14E31A2136), P.ARVIND REDDY (15E31A2116) of B.Tech in the partial fulfillment of the requirements for the degree of Bachelor of Technology in Aeronautical Engineering, Dept. of Aeronautical Engineering during the year 2019-2020. The results embodied in this project report have not been submitted to any other university or institute for the award of any degree or diploma.

DR. S.R DHINESHKU MAR

PHD INTERNAL GUIDE

Prof. A.RANGA REDDY M. Tech. HEAD OF THE DEPARTMENT

EXTERNAL EXAMINER





andlaguda, Post : Keshavgiri, 500 005. Telangana, INDIA 93899, 20020772, 20020773 92001@gmail.com Website : www.mist.ac.in



CERTIFICATION

This is to certify that the project titled **DEBTORS MANAGEMENT**

Submitted in Partial fulfilment for the award of MASTER OF BUSINESS

ADMINISTRATION by AUSALI BHASKAR Roll no. 18E31E0001 to the

Department of Management Studies, Mahaveer Institute of Science and Technology,

affiliated to JNTU; Hyderabad has been carried out under the guidance of Ch.

Raghunath Reddy Assist. Professor, Department of Management Studies MIST.

This Project report has not been submitted to any other University of Institution for the award of any Degree/Diploma.

(Raghunath Reddy)

M

(DR. K.KIRANKUMAR)

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PRINCIPAL MAHAVEER INSTITUTE OF SCIENCE & TECHNOLOGY Bandlaguda, Hyd-500 005.





CERTIFICATION

This is to certify that the project titled "NON-PERFORMING ASSEST" Submitted in Partial fulfillment for the award of MASTER OF BUSINESS ADMINISTRATION by BANDA RUSHITHA Roll no. 18E31E0002 to the Department of Management Studies, Mahaveer Institute of Science and Technology, affiliated to JNTU, Hyderabad has been Carried out under the guidance of Mrs. K.S. ARCHANA Assistant Professor, Department of Management Studies MIST.

This Project report has not been submitted to any other University of Institution for the award of any Degree/Diploma.

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(Dr. K.KIRAN KUMAR)

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uri, Bandlaguda, Post : Keshavgiri pad - 500 005. Telangana. INDIA 64593899. 20020772. 20020773 mhvr2001@gmail.com Website : www.mist.ac.in





CERTIFICATION

This is to certify that the project titled ANALYSIS OF INVESTMENT IN MUTUAL FUNDS" Submitted in Partial fulfillment for the award of MASTER OF BUSINESS ADMINISTWRATION by B.SHILPA Roll No. MASTER OF BUSINESS ADMINISTWRATION by B.SHILPA Roll No. 18E31E0003 to the Department of Management Studies, Mahaveer Institute of Science and Technology, affiliated to JNTU, Hyderabad has been Carried out under the guidance CH. RAGHUNATH REDDY Asst. Professor, Department of Management Studies MIST.

This Project report has not been submitted to any other University of Institution for the award of any Degree /Diploma.

THREDDY) (Asst. Professor) (C.H.RAGHI

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(DR. K.KIRAN KUMAR)

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CERTIFICATION

This is to certify that the project titled CASH MANAGEMENT Submitted in Partial fulfilment for the award of MASTER OF BUSINESS ADMINISTRATION by BUGGAPALLY ASHOK Roll no. 18E31E0005 to the Department of Management Studies, Mahaveer Institute of Science and Technology, affiliated to JNTU, Hyderabad has been Carried out under the guidance of Mr. Kishore Kumar Assist. Professor, Department of Management Studies MIST.

This Project report has not been submitted to any other University of Institution for the award of any Degree/Diploma.

(Kishore Kumar) NTERNAL GUIDE

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(DR. K.KIRAN KUMAR) HEAD OF DEPARTMENT



CERTIFICATION

This is to certify that the project report HIGH FREQUENCY TRADING IMPACT ONB STOCK MARKET WITH REFERENCE TO NSE INDIA Submitted in partial fulfillment for the award of MASTER OF BUSINESS ADMINISTRATION by" GUNTI SAGARIKA" Roll Number(18E31E0009) to to the DEPARTMENT OF MANAGEMENT Studies, MAHAVEER INSTITUTE OF SCIENCE AND TECHNOLOGY, affiliated to JNTU, Hyderabad. Has been carried out under the guidance of" CH.RAGHUNATH REDDY"assistant professor, Department of Management studies, MIST.

This project report has not been submitted to any other University or institution for the Award of any degree/diploma.

Bandaguca, HVd-500 005.

(CH.RAGHUNATH REDY)

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(DR. K.KIRAN KUMAR) HEAD OF THE DEPARTMENT

Bandlaguda, Post : Keshavgiri, - 500 005. Telangana, INDIA 593899, 20020772, 20020773 vr2001@gmail.com Website : www.mist.ac.in





This is to certify that the project titled EQUITY ANALYSIS Submitted in BUSINESS MASTER OF of award the fulfillment for Partial ADMINISTRATION by GAMINI NAGA MALIKA Roll no. 18E31E0010 to the Department of Management Studies, Mahaveer Institute of Science and Technology, affiliated to JNTU, Hyderabad has been Carried out under the guidance CH. RAGHUNATH REDDY Assist. Professor, Department of Management Studies MIST.

This Project report has not been submitted to any other University of Institution for the award of any Degree/Diploma.

(CH. RAGHUNATH REDDY)

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(DR. K.KIRAN KUMAR)

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S. TECHHOLOGY

Vysapuri, Bandlaguda Post:Keshavgiri, Hyderabad-500 005, AP INDIA Tel: 040-20020772,20020773, Fax: 040-2445500 E-mail: p<u>rincipal.mahaveer@gmail.com</u>, Website: www.mist.ac.in,



CERTIFICATION

This is to certify that the project titled **DIVIDEND ANALYSIS** Submitted in Partial fulfillment for the award of **MASTER OF BUSINESS ADMINISTRATION** by **GHOSHAL MALABIKA** Roll no. **18E31E0011** to the Department of Management Studies, Mahaveer Institute of Science and Technology, affiliated to JNTU; Hyderabad has been carried out under the guidance of **K.S ARCHANA** Assist. Professor, Department of Management Studies MIST.

This Project report has not been submitted to any other University of Institution for the award of any Degree/Diploma.

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(DR. K.KIRAN KUMAR) HEAD OF DEPARTMENT

PRINCIPAL MALLANEER INSTITUTE OF SCIENCE I FLUMOLOGY SIGNATURE OF EXTERNAL EXAMINER



CERTIFICATION

This is to certify that the project titled **DEBTORSMANAGEMENT** Submitted in Partial fulfillment for the award of **MASTER OF BUSINESS ADMINISTRATION** by **KANDUKURIV SHIVA NAGA MOUNIKA** Roll no. **18E31E0012** to the Department of Management Studies, Mahaveer Institute of Science and Technology, affiliated to JNTU, Hyderabad has been Carried out under the guidance of **DR.K.KIRAN KUMAR** Assist. Professor, Department of Management Studies MIST.

This Project report has not been submitted to any other University of Institution for the award of any Degree/Diploma.

(DR. K.KIRAN KUMAR)

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PRINCIPAL MAHAVEER INSTITUTE OF SCIENCE + THE SCHLOGT Bandlaguda, Hyd-500 005.



CERTIFICATION

This is to certify that the project titled TECHNICAL ANALYSIS IN PHARMACY SECTOR Submitted in Partial fulfillment for the award of MASTER OF BUSINESS ADMINISTRATION by K.SRIVANI Roll no. 18E31E0013to the Department of Management Studies, Mahaveer Institute of Science and Technology, affiliated to JNTU, Hyderabad has been Carried out under the guidance of G.KISHORE KUMAR Assist. Professor, Department of Management Studies MIST.

This Project report has not been submitted to any other University of Institution for the award of any Degree/Diploma.

(G.KISHORE KUMAR)

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(DR.K.KIRANKUMAR)

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puri, Bandlaguda, Post : Keshavgiri, abad - 500 005. Telangana, INDIA 0-64593899, 20020772, 20020773 ; mhvr2001@gmail.com Website : www.mist.ac.in



CERTIFICATION

This is to certify that the project titled FIXED ASSETS MANAGEMENT Submitted in Partial fulfillment for the award of MASTER OF BUSINESS ADMINISTRATION by MANGALARAPU NANDINI Rollno. 18E31E0015 to the Department of Management Studies, Mahaveer Institute of Science and Technology, affiliated to JNTU, Hyderabad has been Carried out under the guidance of K.S ARCHANA Assist. Professor, Department of Management Studies MIST.

This Project report has not been submitted to any other University of Institution for the award of any Degree/Diploma.

(K.S ARCHANA)

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IAVEER INSTITUTE OF SCIENCE & TECHNOLOGY Bandlaguda, Hyd-500 005,

(DR. K.KIRAN KUMAR)

HEAD OF DEPARTMENT

Vyasapuri, Bandlaguda, Post : Keshavgiri, Hyderabad - 500 005. Telangana, INDIA Tel: 040-64593899, 20020772, 20020773 E-mail mhvr2001@gmail.com Website www.mist.ac.in



CERTIFICATION

This is to certify that the project titled ANALYSIS OF MUTUAL FUNDS Submitted in Partial fulfillment for the award of MASTER OF BUSINESS ADMINISTRATION by MANGINPALLI RAJESH Roll no. 18E31E0016 to the Department of Management Studies, Mahaveer Institute of Science and Technology, affiliated to JNTU, Hyderabad has been Carried out under the guidance of L.RAJESH GOUD Assist. Professor, Department of Management Studies MIST.

This Project report has not been submitted to any other University of Institution for the award of any Degree/Diploma.

(L.RAJESH GOUD)

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(DR. K.KIRAN KUMAR)

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CERTIFICATION

This is to certify that the project titled INVESTMENT DECISION ANALYSIS Submitted in Partial fulfillment for the award of MASTER OF BUSINESS ADMINISTRATION by MANNE MADHURI Roll no. 18E31E0017 to the Department of Management Studies, Mahaveer Institute of Science and Technology, affiliated to JNTU, Hyderabad has been Carried out under the guidance of DR. K.KIRAN KUMAR Assist. Professor, Department of Management Studies MIST.

This Project report has not been submitted to any other University of Institution for the award of any Degree/Diploma.

(DR. K.KIRAN KUMAR)

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(DR. K.KIRAN KUMAR)

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PRINCIPAL MAHAVEER INSTITUTE OF SCIENCE & TECHNOLOGY Bandlaguda, Hyd-500 005.

sapuri, Bandlaguda Post:Keshavgiri, derabad-500 005, AP INDIA 1: 040-20020772,20020773,,Fax: 040-2445500; nail: <u>principal.mahaveer@gmail.com</u>, ubsite: www.mist.ac.in,



CERTIFICATION

This is to certify that the project report titled "Employee Job satisfaction" at Heritage foods Pvt. ltd. submitted in partial fulfilment for the award of master of business administration by "MOHAMMED IMTIYAZ ALI" roll number (18E31E0019) to the department of management studies, Mahaveer Institute of Science and Technology, affiliated to JNTU, Hyderabad, has been carried out under the guidance of "MISS FOUZIA SHAREEF" assistant professor, department of management studies, MIST.

This project report has not been submitted to any other university or institution for the award of any degree/diploma.

(MISS FOUZIA SHAREEF)

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(DR. K.KIRAN KUMAR)

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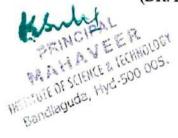
CERTIFICATION

This is to certify that the project titled "FUNDAMENTAL AND TECHNICAL ANALYSIS" Submitted in Partial fulfillment for the award of **MASTER OF BUSINESS ADMINISTRATION** by MUNGI SAIRAM REDDY Roll no. **18E31E020** to the Department of Management Studies, Mahaveer Institute of Science and Technology, affiliated to JNTU, Hyderabad has been Carried out under the guidance of DR. KIRAN KUMR head of the Department of Management Studies MIST.

This Project report has not been submitted to any other University of Institution for the award of any Degree/Diploma.

Dr. KIRAN KUMAR

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(DR. K.KIRAN KUMAR)

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ysapuri, Bandlaguda ost:Keshavgiri, Hyderabad-500 05, AP INDIA el: 040-20020772,20020773, Fax: 040-2445500 mail: p ncipal.mahaveer@gmail.com, ebsite: www.mist.ac.in,



CERTIFICATION

This is to certify that the project titled CURRENCY FUTURES AND OPTIONS Submitted in Partial fulfillment for the award of MASTER OF BUSINESS ADMINISTRATION by PAGIDIMARRY Roll no. 18E31E0023 to the Department of Management Studies, Mahaveer Institute of Science and Technology, affiliated to JNTU, Hyderabad has been Carried out under the guidance of G.KISHORE KUMAR Assist. Professor, Department of Management Studies MIST.

This Project report has not been submitted to any other University of Institution for the award of any Degree/Diploma.

G.KISHORE KUMAR

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HAVEER HASTERN & SCHWEES TECHNOLOGY Banulaguaa, Hyd-500 005.

DR. K.KIRAN KUMAR HEAD OF DEPARTMENT

Vyasapuri, Bandlaguda, Post : Keshavgiri, Hyderabad - 500 005. Telangana, INDIA Tel: 040-64593899, 20020772, 20020773 E-mail : mhvr2001@gmail.com Website : www.mist.ac.in



CERTIFICATION

This is to certify that the project titled "STRESS MANAGEMENT" Submitted in Partial fulfillment for the award of MASTER OF BUSINESS ADMINISTRATION by N. PRIYANKA Roll no. 18E31E024 to the Department of Management Studies, Mahaveer Institute of Science and Technology, affiliated to JNTU, Hyderabad has been Carried out under the guidance of Dr. KIRAN KUMR head of the Department of Management Studies MIST.

This Project report has not been submitted to any other University of Institution for the award of any Degree/Diploma.

Mr. L. RAJESH GOUD

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(DR. K.KIRAN KUMAR) HEAD OF DEPARTMENT

Vyasapuri, Bandlaguda, Post : Keshavgiri, Hyderabad - 500 005. Telangana, INDIA Tel: 040-64593899, 20020772, 20020773 E-mail mhvr2001@gmail.com Website : www.mist.ac.in



CERTIFICATION

This is to certify that the project titled **PROFITABILITY ANALYSIS** Submitted in Partial fulfilment for the award of **MASTER OF BUSINESS ADMINISTRATION** by **S. HARIITHA** Roll no. **18E31E0028** to the Department of Management Studies, Mahaveer Institute of Science and Technology, affiliated to JNTU, Hyderabad has been Carried out under the guidance of Promoda.Hollystar Assist. Professor, Department of Management Studies MIST.

This Project report has not been submitted to any other University of Institution for the award of any Degree/Diploma.

B. Pramoda

(Pramoda Hollystar)

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(DR. K.KIRAN KUMAR)

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Vyasapuri, Bandlaguda, Post : Keshavgiri, Hyderabad - 500 005, Telangana, INDIA Tel: 040-64593899, 20020772, 20020773 E-mail mhvr2001@gmail.com Website : www.mist.ac.in



CERTIFICATION

This is to certify that the project titled **PERFORMANCE OF TAX SAVING MUTUAL FUNDS (EQUITY LINKED SAVING SCHEMES)** Submitted in Partial fulfillment for the award of **MASTER OF BUSINESS ADMINISTRATION** by **SAMREEN SULTHANA** Roll no. **18E31E0030** to the Department of Management Studies, Mahaveer Institute of Science and Technology, affiliated to JNTU, Hyderabad has been Carried out under the guidance of **FOUZIA SHAREEF** Assist. Professor, Department of Management Studies MIST.

This Project report has not been submitted to any other University of Institution for the award of any Degree/Diploma.

(FOUZIA SHAREEF)

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(DR. K.KIRAN KUMAR)

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CERTIFICATION

This is to certify that the project titled COMMODITY MARKET WITH SPECIAL REFERENCE TO AGRICULTURAL COMMODITIES Submitted in Partial fulfillment for the award of MASTER OF BUSINESS ADMINISTRATION by SHAHANAZ Roll no. 18E31E0032 to the Department of Management Studies, Mahaveer Institute of Science and Technology, affiliated to JNTU, Hyderabad has been Carried out under the guidance of MR.LRAJESH GOUD Assist. Professor, Department of Management Studies MIST.

This Project report has not been submitted to any other University of Institution for the award of any Degree/Diploma.



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CERTIFICATION

This is to certify that the project titled "FUNDAMENTAL AND TECHNICAL ANALYSIS" Submitted in Partial fulfillment for the award of MASTER OF BUSINESS ADMINISTRATION by SHAMBULA SHARATH KUMAR Roll no. 18E31E033 to the Department of Management Studies, Mahaveer Institute of Science and Technology, affiliated to JNTU, Hyderabad has been Carried out under the guidance of DR. KIRAN KUMR head of the Department of Management Studies MIST.

This Project report has not been submitted to any other University of Institution for the award of any Degree/Diploma.

Dr. KIRAN KUMAR INTERNAL GUIDE

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(DR. K.KIRAN KUMAR) **HEAD OF DEPARTMENT**

Bandlaguda, Hyd-500 (105. SIGNATURE OF EXTERNAL EXAMINER

STITUTE OF SCIENCE & TECHNICILSON

Vysapuri, BandlagudaPost:Keshavgiri, Hyderabad-500005,APINDIA Tel:040-20020772,20020773, Fax:040-24455003 E-mail: principal.mahaveer@gmail.com Website:www.mist.ac.in,



CERTIFICATION

This is to certify that the project titled FINANCIAL PERFORMANCE ANALYSIS Submitted in Partial fulfillment for the award of MASTER OF BUSINESS ADMINISTRATION by SRAVANI REDDY MEEDIVEMULA Roll no. 18E31E0034 to the Department of Management Studies, Mahaveer Institute of Science and Technology, affiliated to JNTU, Hyderabad has been Carried out under the guidance of mrs. Pramoda hollystar Assist. Professor, Department of Management Studies MIST.

This Project report has not been submitted to any other University of Institution for the award of any Degree/Diploma.

B. Praveda

(Mrs. Pramoda hollystar)

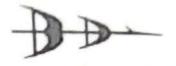
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(DR. K.KIRANKUMAR)

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INSTITUTE OF SYSTEMS, TECHNOLOGY AND MANAGEMENT

and Year 2019 Tallerer Hom Roge No. 406
परियोजना प्रमाण-पत्र PROJECT CERTIFICATE
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B. PAVANI
पुत्री / पुत्र क्षीमती एवं की Daughter / Son of SmL_B. RAJINI
विषय / शेष Subject / Discipline B.TECH (EEE) Year / Somester 3/2 परियोजना कार्य / प्रशिक्षण कार्य has completed Project Work / Training on <u>COMPENSATION OF REACTIVE</u> POWER IN DISTRIBUTION SYSTEM
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INSTITUTE OF SYSTEMS, TECHNOLOGY AND MANAGEMENT

ani Year 2019



पत्रीकरण संख्या Regd No. ______

परियोजना प्रमाण-पत्र PROJECT CERTIFICATE

मुझी / झी Ms. / MrK. KEERTHANA gsî / gs sîमनो एवं sî Daughter / Son of SmtK. LAKSHMIShri _K_YADAGIS कोलेन्न / संस्थान College / InstituteMAHAVEER INSTITUTE DE SCIENCE & fatur / क्षेत्र fatur / क्षेत्र Subject / Discipline B.TECH (EEE) uftair जना कार्य / प्रतिक्षण कार्य has completed Project Work / Training on COMPENS.STEASI OF POWER IN Duration Duration Duration Duration MONTH Period from 03 - 07 - 2019 to 02-06 के बीच पूर्ण किया है.	à TACHNOLO à
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CERTIFICATE

This is to certify that the Mini Project work entitled "EARTHING AND GROUND PRACTICES" has been successfully carried out in the partial fulfillment for the award of the Degree of Bachelor of Technology in Electrical & Electronics Engineering, MAHAVEER INSTITUTE OF SCIENCE AND TECHNOLOGY.

This bounfide work is curried out by

1.K.GNANA PRASUNA(16E31A0213)

at CPTI (Central Power Training Institute of TSSPDCL/Hyderabad, with reference to:Lr.No:DE/CPTI/HYD/MINI PROJECTS/D.NO:39/19 Date: 01-07-2019 under the guidance of Sri.S. RAJU NAIK/ ADE/ CPTU

Place: Hyderabad Date: 16 07

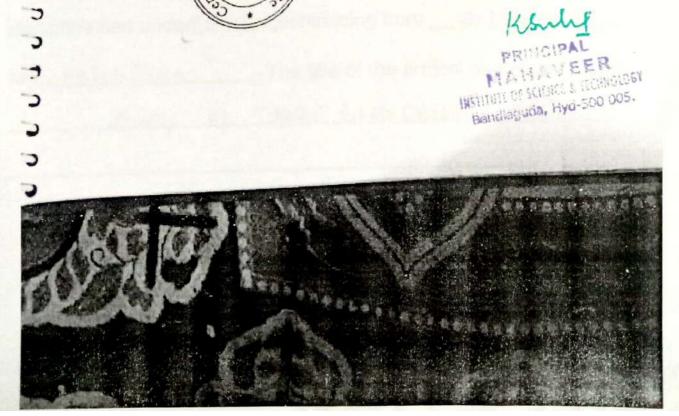
TSSPDCL/HYD.



alla (Sri.A.Sriniva) Raph or by Divisional Engineer/CPT TSSPDCL, Hyderabad.

PRINCIPAL

MAHAVEER INSTITUTE OF SCIENCE & TECHNOLOGY Bandlaguda, Hyd-500 005.







BHARAT HEAVY ELECTRICALS LIMITED RAMACHANDRAPURAM, HYDERABAD-502032 Human Resource Development Centre

Ref No: 19ENGGIII

Date: 08/09/0019

TO WHOMSOEVER IT MAY CONCERN

This is to certify that Mr./Ms./Mrs. p. Vaishnav?
with college id no: 16E3190225
studying in Mahaveer Intitute of Science & Technology
studying in Mahaveer Intitute of Science & Technology pursuing B.E/B.Tech/MBA in <u>Electrocical and Flectronics</u> Engineerin
discipline had undergone project training from ay 06 2019
to 08 09 2019 . The tille of the project as per our records is
STUDY OF TURBO GENERATORS

" bull

PRINCIPAL MANAVEER Intimite of science & technology Intimite of science & technology Intimited and a technology Project training in-charge A KRISHNA REDDY AND Encharge WIS





BHARAT HEAVY ELECTRICALS LIMITED RAMACHANDRAPURAM, HYDERABAD-502032 Human Resource Development Centre

Ref No: 19ENGGIII3/1

Date : 08 07 2019

TO WHOMSOEVER IT MAY CONCERN

and product and a	Ws./Mrs. B. NAGA RANT with college id no: 16E31 A0206
studying in MAHAVEER	INSTITUTE OF SCIENCE AND TECHNOLOGY
	A IN FLECTRICAL ELECTRONICS ENGINEERING

discipline had undergone project training from 24 06 2019

to _	8/07	2019	Th	e title	of the	project	as	per	our	records	is
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STUDY OF TURBO GENERATORS

ANVEER INSTITUTE OF SCIENCE & TECHNOLOGY Bandlagucia, Hyd-500 005.

A KRISHNA REDDY Add Engineer/HRDC W/S





BHARAT HEAVY ELECTRICALS LIMITED RAMACHANDRAPURAM, HYDERABAD-502032 Human Resource Development Centre

Ref No: 19ENGG1113

Date: 08 07 2019

TO WHOMSOEVER IT MAY CONCERN

This is to cer	tify that Mr./Ms./Mrs Pojeswari
	with college id no: 16E3160211
studying in_	Mahauser Unstitute of Science and Technology
	B. Tech/MBA in Electrical and Electronic Engineering
discipline ha	ad undergone project training from
10 08/03	Laping
	TUDY OF TURBO GENERATORS

PRINCIP MAHAVEER INSTITUTE OF SCIENCE & TECHNOLOGY Bandlaguda, Hyd-500 005.

Project training In-charge A. KRISHNA REDOY Add Engineer/HRDC W/S BHEL HYD-32





BHARAT HEAVY ELECTRICALS LIMITED RAMACHANDRAPURAM, HYDERABAD-502032 Human Resource Development Centre

Bennisipal. VEER

Ref No: 19ENGG 3423

T

Date: 17/07/2019

TO WHOMSOEVER IT MAY CONCERN

This is to certify that Mr./M	MS. Mrs. ROSHAN PATNAIK
	with college id no: 16£31A0228
studying in MANAVEER	INSTITUTE OF SCIENCE AND TECHNOLOGY
	IN ELECTRICAL AND ELECTRONIC ENGINEERING
	project training from _03/07/2019
	. The title of the project as per our records is
STUDY OF MAN	5 C 1 C a 42 - 5

डी. मनोज कुमार D. MANOJ KUMAR D. MANOJ KUMAR का अधिकता (एव डार में) उक्तत एक Oy Engenere (HRD-W-5) पिए म्मिल्ने प्राप्त हटा। वार पिए म्मिल्ने प्राप्त हटा। वार पिए म्मिल्ने प्राप्त हों। विद्याला कि Charge 訴.Ħ. S.No. 92119



भारत डायनामिक्स लिमिटेड

BHARAT DYNAMICS LIMITED

(भारत सरकार का उद्यम A Govt. of India Enterprise)

रक्षा मंत्रालय Ministry of Defence कंचनबाग Kanchanbagh : हैदराबाद Hyderabad – 500058.

प्रणाली प्रौद्योगिकी तथा प्रबंधन संस्थान

INSTITUTE OF SYSTEMS, TECHNOLOGY AND MANAGEMENT

वर्ष Year 2019



पंजीकरण संख्या Regd No _ 437

वयं/मेमिम्टर

Year/Semester IV] 7

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Skill India

परियोजना प्रमाण-पत्र PROJECT CERTIFICATE

मुझी/ औ

MA.IM. MUNISHETTI NIHARIKA

पुत्री / पुत्र श्रीमती एवं श्री

Daughter/SonotSmt. MUNISHETTI SHANKARshri MUNISHETTI VIJAYALAKSHM

कॉलेज। मंस्थान

College/Institute MAHAVEER INSTITUTE OF SCIENCE & TECHNOLOGY

विषय / क्षेत्र Subject/Discipline ____EEE

परियोजना कार्य / प्रशिक्षण कार्य

has completed Project Work / Training on COMPENSATION OF REACTIVE

POWER IN DISTRUBUTION SYSTEM

Duration <u>1 MONTH</u> Period from 08/07/2019 10 08/08/2019 केबीच पूर्ण किया है.

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इस कार्य के दौरान इन्होंने अध्ययन में प्रयोग रुचि दिखाई है.

He / She has shown keen interest in learning during the period of Project.

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Lin, Hyc. Di IX

प्रधारी, परियाजना कार्य

Inchargo, Project Works

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2016-2020



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CERTIFICATE

This is to certify that the Mini Project work entitled "LIFE CYCLF. MANAGEMENT OF TRANSFORMER" has been successfully carried out in the partial fulfillment for the award of the Degree of Bachelor of Technology in Electrical & Electronics Engineering, Mahaveer Institute of Science and Technology, Hyderabad.

This bonafide work is carried out by

(16E31A0229) 1. S.KRISHNA VAMSI (16E31A0202) 2. RAMYA

3. VEENA

4. SOUNDILARYA

(16E31A0214)

[16E31A0209]

at CPTI (Central Power Training Institute of TSSPDCL/Hyderabad, with reference to:Lr.CGM (HRD)/GM (Adm)/AS(Estt)/PO-D/682-D3/19 dt 01.04.19, Date: of RAJENDER KAMBLE. quidance under 23.05.2019 the

INSTITUTE OF S

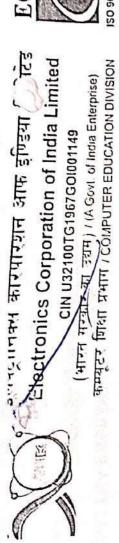
Bandlasuda, Hyd-500 005.

AE/TRE/SCADA/TSSPDCU/HYD

Place: Hyderabad Dale: (1) 7) 70 7



(Sri.A.Srinivas Rao) 11 Divisional Engineed CPTI TSSPDCL, Hyderabad







Date: 22/06/2018

This is to certify that Mr. ROSHAN PATNAIK bearing Reg.No:16E31A0228 a student of MAHAVEER INSTITUTE OF SCIENCE AND TECHNOLOGY. Bandlaguda pursuing the Degree of B.TECH., in Electrical And Electronics Engineering has undergone Project work / Internship titled "A Electronics Engineering has undergone Project work / Internship titled "A Electronics Engineering has undergone Project work / Internship titled "A Electronics Engineering has undergone Project work / Internship titled "A Electronics Engineering has undergone Project work / Internship titled "A Electronics Engineering has undergone Project work / Internship titled "A Electronics Engineering has undergone Project work / Internship titled "A Electronics Engineering has undergone Project work / Internship titled "A multy OF BIDIRECTIONAL DC/DC CONVERTERS SUITABLE FOR ASSYMETRIC POWER FLOW REQUIREMENT" in "POWER ELECTRONICS" ASSYMETRIC POWER FLOW REQUIREMENT" in "POWER ELECTRONICS" partial fulfillment of the requirements for the award of the above mentioned Degree partial fulfillment of the requirements for the award of the above mentioned Degree. The student is punctual, hardworking and has shown keen interest to produce the

HENCIPAL NELIAVEER INSTITUTE OF SCIENCE & TECHNOLOGY Bandlagueia, Hyd-SOO 005.

N.S. SEICHAR BABU INCHARGE, CED, ECIL INCHARGE, CED, ECIL HYDERABAD-500 062. N.S.SEKHAR BABU ~ ANSK INCHARGE: CED

project output and results.

CERTIFICATE

6

This is to certify that the Mini Project work entitled "PROTECTION OF 33/11Kv SUBSTATION" has been successfully carried out in the partial fulfillment for the award of the Degree of Bachelor of Technology in Electrical & Electronics Engineering, Mahaveer Institute of Science and Technology, Hyderabad.

This bonafide work is carried out by

- 1. Manshi Dubey (16E31A0221)
- 2. Roshan Patnaik(16E31A0228)
- R.Vijay (16E31A0226)
- 4. Abdul Raheman (16E31A0201)

at CPTI (Central Power Training Institute of TSSPDCL/Hyderabad,

reference

with

IKSTITU

RINCIPAL

Bandlaguda, Hyd-500 005.

ER TECHNOLOGY

to:Lr.No:DE/CPTI/Hyderabad/F.Mini Project/No:001/19,Dt:27.05.2019 under the guidance of Sri.B A V Prasad

Yadav/ AE/ CPTI/TSSPDCL/HYD.

Institute Ser Trainin. TSSPDCL Hyderabad 1673

Place: Hyderabad Date: $(S \mid e \psi \mid v_{0})$

Divisional Engineer/CPTI, TSSPDCL, Hyderabad. (Sri.A.Srinivas Rao) Callo



भारत हेवी इलेक्ट्रिकल्स लिमिटेड रामचंद्रापुरम, हैदराबाद मानव संसाधन विकास केंद्र



BHARAT HEAVY ELECTRICALS LIMITED RAMACHANDRAPURAM, HYDERABAD-502032 Human Resource Development Centre

Rof No: 19ENGGIII3 Date: 08 07 2019

TO WHOMSOEVER IT MAY CONCERN

This is to certify that Mr./Ms./Mrs. J. Pajeswari			
with college id no:IBE3170311			
studying in Mahauser Institute of Science and Technology			
pursuing B.E/B.Tech/MBA in <u>Electrical and Electronic</u> Engineering			
discipline had undergone project training from			
to The title of the project as per our records is			
GUON OF TUPBO GENERATORS			



Project training In-charge A KRISHNA REDOY Add EngineerthRDC MIS BHEL MORE



भारत हेवी इलेक्ट्रिकल्स लिमिटेड रामचंद्रापुरम, हैदराबाद मानव संसाधन विकास केंद्र



BHARAT HEAVY ELECTRICALS LIMITED RAMACHANDRAPURAM, HYDERABAD-502032 Human Resource Development Centre

Ref No: 19ENGGIII3/4

Date: 08 07 2019

TO WHOMSOEVER IT MAY CONCERN

This is to certify that Mr./Ms./Mrs. M. pavao kumaz
with college id no:
studying in Mahavoor anilitur of Ccience and Technology
pursuing B.E/B.Tech/MBA in Electrical and Electronicy Engineering
discipline had undergone project training from <u>אין פה (אין פון ק</u>
to 08 03 009. The title of the project as per our records is
CTURY OF TUPBO GENERATOR
WATHAVEER MAHAVEER WETHTUTE OF SCIENCE & TECHNOLOGY

Bondlaguda, Hyd-500 005.



HMT MACHINE TOOLS LIMITED (A Wholly Owned Subsidary of HM1 Limited) (A Government of India Undertaking) HMT Township P J Narsatha Road Hyderaoad-500 054 INDIA Phone +91 40 23085721 Extn 260 Fax +91-40-2308 5952 TRAINING CENTRE Email methanergightertmachinetoois com website ware the tenactions com

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of the diam's print service when initiation

RIGH' TO INFORMATION

DATE: 05.07.2019

Rel No. HIMT MTH/HR 1&D/S1/260/19

CERTIFICATE

This is to certify that Mr. MOHD.ABDUA SAMUER (RegNo.16F31A0319), B.Tech in MECHANICAL ENGINEERISE. 4 year 17 Semester student of MAHAVEER INSTITUTE OF SCHERCH & TECHNOLOGY, Vyasapuri, Bandllaguda, Hyderabad has undergone ar "INTERNSHIP" Training from 21.06.2019 to 05.07.2010 in our

organization

During the above period, he was regular and his code of conduct was found to be good and Appreciable.

We wish him all the best for all the success in the future endeavors.

For HMT Machine Tools Limited

5 32 (Charoo Prabhakar) DGM (TR)



SOUTHCENTRALRAILWAY [INDIAN RAILWAYS]

THE ALT OF CALL

WERE CARDINGS &

CERTIFICATE

This is to certify that G.RAMAKRISHNA Roll No. student of MAHAVEER INSTITUTE OF SCIENCE AND 16E31A0305 TECHNOLOGY pursoing light is has successfully completed runn project for the duration of 15 days from 01 /07/2019 to 15/07/2019 for the academic year 2019-2020.

The title of his project is BRAKING SYSTEM IN RAILWAY COACHES and was carried under the guidance of Shri M.SUBBA RAO, Senior Section Engineer in Coaching Depot, South Central Railway, Secunderabad.

His conduct during this period was Satisfactory.

M.SUBBARAO SSE/C&W/SC

HCIPI MAHAVEER INTUTE OF SCIENCE & TECHNOLOGY Bandlaguda, Hyd-500 005.

P.MOHAN SUBHASH Coaching Denot Officer Dauchine insat Officer

112/1122





SOUTHCEN TRALEALWAY (INDIAN RAILWAYS)

CERTIFICATE

This is to certify that IFJAVATH SRIKANTH Roll NUMBER INSTITUTE OF SCIENCE AND

the duration of 15 days from 01 /07/2019 to 15/07/2019 for the academic orac 2019-2020.

The title of his project is BRAKING SYSTEM IN RAILWAY COACHES and was carried under the guidance of Shri M.SUBBA RAO. Senior Section Engineer in Coaching Depot, South Central Railway, Secunderabad.

His conduct during this period was Satisfactory.

VINCERAPAO SSL C&W SC



P.MOHAN SUBHASH disaching thepot Officer Water and 1 and 3 & gas



(A Wholly owned Subsidary of HMT Limited) (A Government of Indla Undertaking) HMT Township P.O., Narsapur Road, Hyderabed-500 054. INDIA Phone : +91- 40- 23085721, Extn. : 260 Fax ; +91-40-2308 5952 TRAINING CENTRE Email : mthtraining@hmtmachinetools.com website www.hmtmachinetools.com

Street St. 75 एच एम ही मंशीन ट्रत्स लिमिटेड

110.000 1000

(एक इस ही सिविदेव की समूर्ज स्वामित्वचील सनुवनी)

(भारत सरकार का एक उपक्रम) इस ही हीनसिन मी.थी. बरसापुर रोग Permer - 800 064. HTTH TTHIN : +81-40-2308 5721, RONT : 260 WWR I +01-40-2308 6852 पशिक्षण केन्द्र An : mithisining@hmunechineloois.com Butter : www.hmtmachinetools.com

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ISC 9001 : 2015 Cert.No.: IN112158A AN TH AL BOOT 2912 WHITTE HEAT : MILLISSA

RIGHT TO INFORMATION

DATE: 05.07.2019

Ref No. : HMT/MTH/HR-T&D/ST-262/19

CERTIFICATE

AHMED OMAIR SYED Mr. certify that This is to (RegNo.16E31A0374), B.Tech in MECHANICAL ENGINEERING, 4th year 1st Semester student of MAHAVEER INSTITUTE OF SCIENCE & TECHNOLOGY, Vyasapuri, Bandlaguda, Hyderabad has 21.06.2019 "INTERNSHIP" Training from undergone an to 05.07.2019 in our organization.

During the above period, he was regular and his code of conduct was found to be good and Appreciable.

We wish him all the best for all the success in the future endeavors.



For HMT Machine Tools Limited

chan (Charoo Prabhakar) CHAROO DA BHARAR Deputy General Manager (TE) HMT MACHELT CON SLIMITED



FILL Finded PAPE RBOARDS & SPECIALTY PAPERS DIVISION Unit Bhadrachalam Factory SARAPAKA - 507 128, Bhadradri Kothagudem District. (TELANGANA), India Fax No.; +91-8746 - 242460 Telephone : +91-8746 + 242331 - 40 www.itcpspd.com

09th July 2019

TO WHOM SOEVER IT MAY CONCERN

- 1 M

This is to certify that Mr. B Vijay Kumar has undertaken Internship at our organization in Mechanical Department During his internship, he completed a project titled "Study on Lubrication and Bearings" at, Unit Bhadrachalam, from 24th June 2019 to 09th July 2019

We wish humaal the success in his fathine endeavors

For ITC Limited Paperboards & Specialty Papers Division

Verma Assistant Manager - HR

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्एव एम टी मधीन ट्रांस तिमिटइ

(एय एम हा दिवसिटेड की सम्पूर्ण स्वामित्वादील अनुवनी)

(भारत गांवरार का एक उपक्षम) एभ कुम ही हीमगिल भी.मी. मरसापुर रीप हेरसाम : +91-40-2308 5721, पिरमार : 260 फैका : +91-40-2308 5952 प्रशिक्षण केन्द्र प्रशिक्षण केन्द्र है-मेग (mthraining@huntes.chinatools.com बेबागहर : www.hmtmachinatools.com

9001 : 2015 UNIT



2015 Cert.No. IN112158A

RIGHT TO INFORMATION

DATE: 05.07.2019

Ret NO. : HIM F MITH HIR T&D ST-261 19

CERTIFICATE

This is to certify that Mr. MOHD.ABDUL AHTESHAM UL HASNAIN (RegNo.16E31A0320), B.Tech in MECHANICAL ENGINEERING, 4th year 1st Semester student of MAHAVEER INSTITUTE OF SCIENCE & TECHNOLOGY, Vyasapuri, Bandlaguda, Hyderabad has undergone an "INTERNSHIP" Training from 21.06.2019 to 05.07.2019 in our organization.

During the above period, he was regular and his code of conduct was found to be good and Appreciable.

We wish him all the best for all the success in the future endeavors.

For HMT Machine Tools Limited

Want of the solution

(Charou Prabhakar) DGM (TR)

1.1.20

HMT MACHINE TOOLS LIMITED

(A Wholly owned Subsidary of HMT Limited) (A Government of India Undertaking) HMT Township P.O., Narsapur Road, Hyderabad-500 054, INDIA Phone : +91- 40- 23085721, Extn. : 260 Fax : +91-40-2308 5952 TRAINING CENTRE Email : mthtraining@tmtmachinetools.com website : www.hmtmachinetools.com

एच एम टी मशीन टूला लिमिटेड

(एव एव ही जिमिरेर की मानून कार्डम्पार्टन कार्ड्स) (भारन सारका का वक उच्छान) एव एव ही हिन्दीम थी.जो. बरामपुर सेन रिपाल - 500 054. सारत रिपाल : +01-40-2308 5721, विग्रार : 260 देखा : +91-40-2308 5952 प्रशिद्षण केन्द्र प्रशिद्षण केन्द्र है-केन्न : मार्डवार्डान्युक्रिय्तेकार्ट्सान्डर्डान्ड com

tempt : www.hmtmachinetcols.com

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150 9001 : 2015 CerLNo.: IN112158A

RIGHT TO INFORMATION

DATE: 11.08.2019

F

Ref No. : HMT/MTH/T&D/ST-281/19

CERTIFICATE

This is to certify that Mr. SHAIK MUZAFFER (Reg No.16E31A0334), B.TECH in MECHANICAL ENGINEERING, 4th Year 1st Semester student of MAHAVEER INSTITUTE OF SCIENCE & TECHNOLOGY, Bandlaguda Near DLRL, HYDERABAD has undergone an "Internship" Training from 28.07.2019 to 11.08.2019 in our organization.

During the above period, he was regular and his code of conduct was found to be good.

We wish him all the best for all the success in the future endeavors.

For HMT Machine Tools Limited (Charoo Prabhakar) (Charoo Prabhakar)





Ref: TLMAL/19-20/Int-017

Date: 20-07-2019

TO WHOMSOEVER IT MAY CONCERN

Sub-Completion of Internship.

This is to certify that Mr. Amirinani Anil Kumar has a second structures Internship in Quality Department at TATA Lockheed Martin Aero Structures Limited, Hyderabad from 20-06-2019 to 20-07-2019.

We appreciate his valuable contribution and wish him all the very best in his future endeavors.

For TATA Lockheed Martin Aero Structures Limited,

Bhaskar Bordoloi

Deputy Manager (HR)







एच एम ही मणीन टूक्स लिमिटेड

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DATE: 11.08.2019

Ref No.: HMT/MTH/T&D/ST-277/19

CERTIFICATE

This is to certify that Mr. MOHAMMED LUQMAN ZAKI (Reg No.16E31A0364), B.TECH in MECHANICAL ENGINEERING, 4th Year 1st Semester student of MAHAVEER INSTITUTE OF SCIENCE & TECHNOLOGY, Bandlaguda Near DLRL, HYDERABAD has undergone an "Internship" Training from 28.07.2019 to 11.08.2019 in our organization.

During the above period, he was regular and his code of conduct was found to be good.

We wish him all the best for all the success in the future endeavors.



PRINCIPAL

MAHAVEER

Bandiaques Md-500 005.

For HMT Machine Tools Limited

ردمین (Charoo Prabhakar) CHAROBGHAJAAKAR

Deputy General Manager (TR) HMT MACHINE TOOLS LIMITED Hyderabad-500 054. ISTRUCT OF SUBJECT & TECHNOLOGY



भारतीय रल

INDIAN RAILWAYS जीनल लोको ऐडि मौलाली हेंदराबाद DIESEL LOCO SHED, MOULA-ALI, HYDERABAD

प्रमाणपत्र CERTIFICATE

This is to certify that Mr.M.NARENDRA (17E35A0313) Mahaveer Institute of Science & Technology, Bandlaguda done "Mini Project" on "BRAKING CAPACITY OF DIESEL LOCOMOTIVES" at Diesel Loco Shed, Moula-Ali, Secunderabad, South Central Railway from 19-07-2019 to 05-08-2019 under the guidance of Sri.S.Subhash Nagnath, SSE/DLS/MLY for partial fulfillment of Bachelor Degree award.

Dt.05-08-2019

RINCIPAL MAHAVEER INSTITUTE OF SCIENCE & TECHNOLOGY Bandiaguda, Hyd-500 005,

(ए मुनेदर) (A.SURENDER) सहार्थ्य / दी / मालाली Apistant Discussion States बीएल लोको शोड DIESEL LOCO SHED ब. म. रेल्व, मोल्य अली. ह C. Railway, Moula-Ali



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भारतीय रेल

INDIAN RAILWAYS डीजल लोको शेड, मौलाली, हैदराबाद DIESEL LOCO SHED, MOULA-ALI, HYDERABAD

प्रमाणपत्र CERTIFICATE

This is to certify that Mr.K.KARTHIK (17E35A0309) studying B-Tech 4 year 1st semester in Mechanical Engineering at Mahaveer Institute of Science & Technology, Bandlaguda done "Mini Project" on "BRAKING CAPACITY OF DIESEL LOCOMOTIVES" at Diesel Loco Shed, Moula-Ali, Secunderabad, South Central Railway from 19-07-2019 to 05-08-2019 under the guidance of Sri.S.Subhash Nagnath, SSE/DLS/MLY for partial fulfillment of Bachelor Degree award.

Dt.05-08-2019

PRINCIPAL MAHAVEER INSTITUTE OF SCIENCE & TECHNOLUGY Bandlaguda, Hyd-500 005-

(9.11/22)

(A.SURENDER) समंयांइ/डी /मोलाली Abritani Chicago Historical Engineer चीपात लोको शोड DIESEL LOCO SHED च. म. रेप्ये, मोला उली. S C. Raiway, Moula-Ali

E



भारतीय रेल INDIAN RAILWAYS डीजल लोको शेड, मौलाली, हैवरायाद DIESEL LOCO SHED, MOULA-ALI, HYDERABAD

प्रमाणपत्र CERTIFICATE

This is to certify that Mr.A.SHIVA (16E31A0345) studying B-Tech 4th year 1st semester in Mechanical Engineering at Mahaveer Institute of Science & Technology, Bandlaguda done "Mini Project" on "BRAKING CAPACITY OF DIESEL LOCOMOTIVES" at Diesel Loco Shed, Moula-Ali, Secunderabad, South Central Railway from 19-07-2019 to 05-08-2019 under the guidance of Sri.S.Subhash Nagnath, SSE/DLS/MLY for partial fulfillment of Bachelor Degree award.

Dt.05-08-2019

TECHNOLOGY 12+170-500 005+

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(ए सुरेंदर) (A.SURENDER) समंयांइं/डी /मीलाली Assistant Division dechadicel Engineen चीजल लोको धोव DIESEL LOCO SHED द. म. रेल्वे, मोला जली. S.C. Raiway, Moula-Alt.





SOUTHCENTRALRAILWAY

TUDENS RATEMANS:

(1121111(A11)

This is to certify that PONNURU UPENDRA Roll No. 16E31A0327 student of MAHAVEER INSTITUTE OF SCIENCE AND TECHNOLOGY pursuing B.Tech has successfully completed mini project for the duration of 15 days from 01 /07/2019 to 15/07/2019 for the academic year 2019-2020.

The title of his project is BRAKING SYSTEM IN RAILWAY COACHES and was carried under the guidance of Shri M.SUBBA RAO, Senior Section Engineer in Coaching Depot, South Central Railway, Secunderabad.

His conduct during this period was Satisfactory.

M SUBBA RAO SSE C&W-SC

AVEER INSTITUTE OF SCIENCE & TECHNOLOGY Banologuda, Hyd-500 005.

P MOHAN SUBHASH Coaching Depot Officer

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TO WHOMSOEVER IT MAY CONCERN

()	$JA \subseteq WT$ Name of the student(s))
students of IN YEAR, I'SE M'	ILE MAHAVEER INSTITUTE OF SCIENCE AND
has/have completed MINI PRO	JECT
(Project Work (with	title)/Internship/in-plant train=6/Frimiliarization)
trom 3 06/2019 to 2/07/2	at AVIONICS
1 - stati, filodustan Aeronautics umited, H	yderabad 500042, required in partial fulfilment
of the academic course under the guidance	e of the undersigned. Their/ His/ Her conduct
was good during the period of	MINIPROJECT
(Project Work (with title)/Internship/In-plant training/Familiarization)
This does not amount to job experience.	
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	Signature of the Guide
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	Signature of the Guide RTTT UT SAGAR.S S.R. (1419) / SM (MEG), 105444 TH T UH PERING HAL Hyderabad
	Signature of the Guide RTTZ . UT SAGAR .S G H (Idia) SM (MEG). 105444 SH THE PERSON HAL Hyderabad (Name of the Guide)
	Signature of the Guide RTTZ . UT SAGAR .S G H (Idia) SM (MEG). 105444 SH THE PERSON HAL Hyderabad (Name of the Guide)

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- Guide should give than over (Frainver) (RAX 3286) or Manages (Hamma) (RAX 3281) for clarification Contact Chief Manager (Frainver) (RAX 3286) or Manages (Hamma) (RAX 3281) for clarification ٠
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भारतीय रेल INDIAN RAILWAYS डीजल लोको शेउ, मौलाली, हेदरावाट DIESEL LOCO SHED, MOULA-ALI, HYDERABAD

प्रमाणपत्र CERTIFICATE

This is to certify that Mr.J.SAI KUMAR (17E35A0306) studying B-Tech 4th year 1st seriester in Mechanical Engineering at Mahaveer Institute of Science & Technology, Bandlaguda done "Mini Project" on "POWER GENERATION SYSTEM TO LOCOMOTIVE ENGINE" at Diesel Loco Shed, Moula-Ali, Secunderabad, South Central Railway from 19-07 2019 to 05-08-2019 under the guidance of Sri.S.Subliash Nagnath, SSE/DLS/MLY for partial tulfillment of Bachelor Degree award.

Dt.05-08-2019

S COD (ND)

108/19 (ए स्रेटर) (A.SURENDER) समयाई/डी /मोलाली ADME/DSL/MLY



TELANGANA STATE POWER GENERATION CORPORATION LIMITED (SRISAILAM LEFT BANK POWER HOUSE)

CERTIFICATE

should that the Propertient and "STUDY OF RECIPEORATING AIR COMPRESSOR", SRISAILAM LEFT BANK HYDRO ELECTRIC SCHEME" is a bonafide

Work accomplished by

S RAGHAVENDRA REDDY

17E35A0319

In partial fulfillment of the requirement for award of Bachelor of degree in "MECHANICAL ENGINEERING" MHVR-Hyderabad, is a record work carried out under my guidance and supervision during the period from Dt:03.06.2019 to 17.06.2019.

HA 50 005

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171-de 19

MR. D.RAMESH Assistant Division Engineer, Mech. Maintenance Sub-Division-I SLBHES, TSGENCO

Assi, Divisional Engineer Mech. Maintenance Bub Ding SGENCO, SLEMES AN DAM WEST-509 326

MR. M.MURALIDHAR RA Divisional Engineer, Mech. Maintenance Division SLBHES, TSGENCO

Divisional Engineer Mach. Mointenance Division ISSENCO, SLEHES CRICALLAM HAM WEST 509 326



TELANGANA STATE POWER GENERATION CORPORATION LIMITED (SRISAILAM LEFT BANK POWER HOUSE)

CERTIFICATE

This is to certify that the Project entitled "STUDY OF RECIPROCATING AIR

COMPRESSOR", SRISAILAM LEFT BANK HYDRO ELECTRIC SCHEME" is a bonafide

Work accomplished by

B.VENKATA SAI

17E35A0303

In partial fulfillment of the requirement for award of Bachelor of degree in "MECHANICAL ENGINEERING" MHVR-Hyderabad, is a record work carried out under my guidance and supervision during the period from Dt:03.06.2019 to 17.06.2019.

MR. D.RAMESH Assistant Division Engineer, Mech. Maintenance Sub-Division-I SLBHES, TSGENCO

Asst. Divisional Engineer Mech. Maintenance Sub Div-I TSGENCO, SLBHES SRISAILAM DAM WEST-509 326. MR. M.MURALIDHAR RAO Divisional Engineer, 17-6 2019 Mech. Maintenance Division SLBHES, TSGENCO

Divisional Engineer Mech. Mainlenance Division TSGENCO, SLBHES SRISAILAM DAM WEST-509 326



भारत हेवी इलेक्ट्रिकल्स लिमिटेड रामचंद्रापुरम, हैदराबाद मानव संसाधन विकास केंद्र



D. H.

BHARAT HEAVY ELECTRICALS LIMITED RAMACHANDRAPURAM, HYDERABAD-502032 Human Resource Development Centre

Ref No: 19111 min 1 M

TO WHOMSOEVER IT MAY CONCERN

This is to certify that Mr./Ms./Mrs. T. Vinoy Reddy with college id not that such studying in Mahaveer Engineering College pursuing B.E/B.Tech/MBA in Methonical Engineering discipline had undergone project training from to 11-07-0019. The title of the project as per our records is sinary of steens turbine and its Construction 6 - R IN TRUNKELOGY 500 005. Project tra



एआएशएमई-टूटा रचम MSME - TOOL ROOM कुल्दीरा स्पत्तरुण मंत्रितत्तटप संस्थान CENTRALINSTITUTE OF TOOL DESIGN (आरत मरकार की गोगाहरी - मूल्म, वर्ष और मन्त्रम उत्रम पंजानय)



A cloch of India Seconty Ministry of Micro Small & Medium Enterprises)

तिनांक : 19-Jul-2019 Date

Ref CITD/CAD/CAM/19-20

CERTIFICATE

in MECHANICAL Engineering has successfully completed the **INPLANT TRAINING/INTERNSHIP**⁻ at our Institute from 19/06/2019 to 18/07/2019 under our guidance and supervision.







वारसारण्ड, हारगाबार, 500.037 सलेगाणा, भारत Baranagar Hyderabad - 500.037, Tolongana, INDIA 5,299-01 - 9,299-110, 9,200.000, 901805,000, 90180, 10,000, 9010 Ar 903-01,200, 1901,100, 2015,150,20090,2010, ISO 50001,2011 Centried Institution) रूप्रभाष - 1201,101,200, (22,171-52,242,340,04,22)72658 Enal (adjointed and Website Available) 11,000,600, Emiliana KGE Kob. 05152,250

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d Bankerson -HMT MACHINE TOOLS LIMITED

(A Wholly owned Subsidary of HMT Limited) (A Government of India Undertaking) HMT Township P.O., Narsapur Road, Hyderabad-500 054, INDIA Phone: +91-40-23085721, Extn : 260 Fax: +91-40-2308 5952 TRAINING CENTRE

Email : mthtraining@hmtmachinetools.com website www.hmtmachinetools.com

एच एम ही मण्णीन टूला लिमिटेड

(एव एम ही मिमिटेट की समूर्ण स्वामित्वयीन अनुवंगी) (भारत सरकार का एक उपाल्म) एव एम ही हीनवित की.ओ. मरतापुर रोड Termit - 500 054. WITH र्भाष : +01-40-2308 5721, विकार : 200 ter : +91-40-2308 5952 प्रशिक्षण केन्द्र t-RH : mthtraining@hmtmachineloois.com Remer : www.hmtmachinetools.com

ISO 9001 : 2015 UNIT



IAF ISO 9001 : 2015 Cert.No.: IN112158A मई एम बो कारा ! 2015 प्रमाणपत्र मंग्रा ! IN112156A RIGHT TO INFORMATION

DATE: 11.08.2019

Ref No.: HMT/MTH/T&D/ST-278/19

<u>CERTIFICATE</u>

This is to certify that Mr. MOHAMMED SHAREEF JAVEED (Reg No.16M31A0315), B.TECH in MECHANICAL ENGINEERING, 4th Year 1st Semester student of MAHAVEER INSTITUTE OF SCIENCE & TECHNOLOGY, Bandlaguda Near DLRL, HYDERABAD has undergone an "Internship" Training from 28.07.2019 to 11.08.2019 in our

During the above period, he was regular and his code of conduct was organization.

found to be good.

We wish him all the best for all the success in the future endeavors.

BIRDED FUNCTION

Bandagrada 110 590 0091

For HMT Machine Tools Limited

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(Charoo Prabhakar) CHAROD PRABHAKAR Deputy General Manager (TR) INT MACHINE TOOLS LIMITED

r. G. RAJA SINGH THANGADURAI SCIENTIST 'G' Project P. ector, PJ-10 (DAV)



GOVERNMENT OF INDIA MINISTRY OF DEFENCE DEFENCE R&D ORGANISAJON DEFENCE RESEARCH AND DEVELOPMENT LABORATORY P.O. Kanchanbagh Hyderabad - 500 056 T.S. INDIA

CERTIFICATE

He had the orientation programme focused towards familiarization in Design & Development of various Missile Systems especially in the areas of Missile Assembly & Integration, CG Measurements and Vibration Testing etc...

His performance was excellent throughout the course of Internship and the passion to learn new technologies is appreciable.

Fax 040 2408 7008

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(Dr. G. Raja Singh Thangadural)

Dr. G. Raja Singh Thurgadural Dy. Programme Disc. 10, Pl 30 DRDL, Ministry of Lickette Hyderebed 50, 055

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Gate : Hyderabad

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AJA SINGH THANGADURAI SCIENTIST 'G' roject Director, PJ-10 (DAV)



GOVERNMENT OF INDIA MINISTRY OF DEFENCE DEFENCE R&D ORGANISAION DEFENCE RESEARCH AND DEVELOPMENT LABORATORY PO. Kanchanbagh. Hyderabad - 500 058 TS INDIA

CERTIFICATE

The is to certify Mr PUNEETRAJ CHAVAN (Reg. No. 16E31A0329) bonafide B.Tech (Mech) student at Mahaveer Institute of Science & Te Mechanical Integration and Dynamic Testing of Typical Supersonic Cruise Missile" during the period 01° July 2019 to 18° July 2019 under my supervision at D.R.D.L., Hyderabad.

He had the orientation programme focused towards familiarization in Design & Development of various Missile Systems especially in the areas of Missile Assembly & Integration, CG Measurements and Vibration Testing etc.

His performance was excellent throughout the course of Internship and the passion to learn new technologies is appreciable.

Place : Hyderabad Date : 18.07.2019 (Dr. G. Raja Singh Thangadurai)

Dr. G. Raja Singh Thangadurai Dy. Programme Director, PJ-10 DRDL, Ministry of Defence Hyderabad 500.058

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भारतीय रेल

INDIAN RAILWAYS डीजल लोको शेड, मौलाली, हैदराबाद DIESEL LOCO SHED, MOULA-ALI, HYDERABAD

प्रमाणपत्र CERTIFICATE

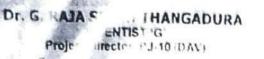
This is to certify that Mr.K.SAI TEJA (15E31A0324) studying B-Tech 4 year 1st semester in Mechanical Engineering at Mahaveer Institute of Science & Technology, Bandlaguda done "Mini Project" on "BRAKING CAPACITY OF DIESEL LOCOMOTIVES" at Diesel Loco Shed, Moula-Ali, Secunderabad, South Central Railway from 19-07-2019 to 05-08-2019 under the guidance of Sri.S.Subhash Nagnath, SSE/DLS/MLY for partial fulfillment of Bachelor Degree award.

Dt.05-08-2019

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0108/19 (ए स्रेंदर)

((गुरदर) (A.SURENDER) समयाइं/डी /मोलाली एडावरू मंट ADME/DSL/MLY Assistant Divisional Mechanical Engineer बीजल लोको शोख DIESEL LOCO SHED द. म. रेल्वे, मोला आली. S C. Raitway Moula-Ali



Place Hyderabad

12 07 2019



IS THE REAL PROPERTY OF THE OWNER OF THE REAL PROPERTY.

GOVERNMENT OF INDIA MINISTRY OF DEFENCE DEFENCE R&D ORGANISAION DEFENCE RESEARCHAND **DEVELOPMENT LABORATORY** PO Kanchanbagh, Hyderabad - 500 358 **TS INDIA**

CERTIFICATE

This is to certify Mr. RACHAKONDA VAYUPUTHRA (Reg. No. 16E31A0331) bonalide Bileon (Mech) student a: Mahaveer Institute of Science & a manufacture of the internship completed the internship Programme on "Mechanical Integration and Dynamic Testing of Typical Supersonic Cruise Missile" during the period 011 July 2019 to 18" July 2019 under my supervision at D.R.D.L., Hyderabad.

He had the orientation programme focused lowards lamiliarization in Design & Development of various Missile Systems especially in the areas of Missile Assembly & Integration, CG Measurements and Vibration Testing etc.

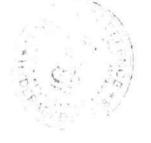
His performance was excellent throughout the course of Internship and the passion to learn new technologies is appreciable.

(Dr. G. Raja Singh Thangadurai)

Dr. G. Raja Singh Thangadurai Dy. Programme Director, PJ-10 DRDL, Ministry of Defence Hyderabad 500 058

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Bandaguan thd 500 005.



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Fax: 040-0408 7006





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SOUTHCENTRALRAILWAY UNDEAN RAILWAYS]

CERTIFICATE

This is to certify that N SRIKANTH EFFEDER Roll No. 16E31A0323 student of MAHAVEER INSTITUT OF SCIENCE AND TECHNOLOGYpursuingB.Techhassuccessfullycompletedminiproject for the duration of 15 days from 01/07/2019 to 15/07/2019 for the academic year2019-2020.

The title of his project is BRAKING SYSTEM IN RAILWAY COACHES and was carried under the guidance of Shri M.SUBBA RAO, Senior Section Engineer in Coaching Depot, South Central Railway, Secunderabad.

His conduct during this period was Satisfactory.

M.SUBBARAO SSE/C&W/SC Sec. 1. 2. 1

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P.MOHANSUBHASH Coaching DepotOfficer

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CERTIFICATE

This is to certify that GAJIETTEVAMP. HEFRISHNA Roll student of MAHAVLER INSTITUTE OF SCHOOL AND completed non-project for S. 161 31 AUXIN a strikel a nere

2019-2020

THE MANAGEMENT AND

The title of his project is BRAKING SYSTI-M IN RAILWAY COACHES and was carried under the guidance of Shiri M SUBBA FAO Scout Section Engineer in Coaching Depot, South Central Railway, N. 440 11

Secunderabad

His conduct during this period was Satisfactory

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TELANGANA STATE POWER GENERATION CORPORATION LIMITED (SRISAILAM LEFT BANK POWER HOUSE)

CERTIFICATE

This is to certify that the Project entitled "STUDY OF RECIPROCATING AIR

CODAPRESSION - FOSSILATELET GANK HYDROTLECTRIC SCHEMET IS a bonalide

Work accomplished by

V.NIKHIL KUMAR

16E31A0378

In partial fulfillment of the requirement for award of Bachelor of degree in "MECHANICAL ENGINEERING" MHVR-Hyderabad, is a record work carried out under my guidance and supervision during the period from Dt:03.06.2019 to 17.06.2019.

06.19

MR. D.RAMESH Assistant Division Engineer, Mech. Maintenance Sub-Division-I SLBHES, TSGENCO

Asst. Divisional Engineer Mech. Maintenance Sub Divil TSOENCO, SLEHES SPISAILAM DAM NEST-SD9 376.

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MR. M. MURALIDHAR RAD Divisional Engineer, 17-16/19 Mech. Maintenance Division ELBHES, TSGENCO

Divisional Engineer Mech. Maintenance Division TSGENCO, SLBHES SRISALAM DAU WEST-509 326.

MAHAVEER INTITUTE OF SCIENCE & TECHNOLOGY Conditionula, Hyd-500 005-



भारत हेवी इलेक्ट्रिकल्स लिमिटेड रामचंद्रापुरम, हैदराबाद मानव संसाधन विकास केंद्र



BHARAT HEAVY ELECTRICALS LIMITED RAMACHANDRAPURAM, HYDERABAD-502032 Human Resource Development Centre

Ref No: 196 NGG1181

Date :11-04 - 2019.

TO WHOMSOEVER IT MAY CONCERN

This is to certify that Mr./Ms./Mrs. Pulugan Jagadeeshum Reddy. with college id no: 16E3140361. studying in Mahaven Institute of Science and technology pursuing B.E/B.Tech/MBA in Mechanical Infineering. discipline had undergone project training from <u>27-06-2019</u> to <u>11-07-2019</u>. The title of the project as per our records is Itudy of Steam turbing and its construction. Charles VE Constant डी मनोज कुमार D MANOJ KUMAR B FIR US Project training in-charge an Mad 502 03.



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HMT MACHINE TOOLS HIMITED
(4 Govt. of India Undertaking)
Machine Tool Division,
Balanagar, Narsapur Road,
Hyderabad - 500 054, India
Phone : 91-040-23087971/2308572. Ext.: 260
Fax : 91-040-23085952
E-mail : mthtraining/@hmtmachinetools.com
Visit us : www.hmtmachinetools.com

DATE: 27.06.2019

Ref No. : HMT/MTH/HR-T&D/ST-235/19 CERTIFICATE

This is to certify that Mr. M.AKHIL TEJA (Reg² or 161 51 A0367). B.Tech in MECHANICAL ENGINEERING, 4th year 1st Semester SCIENCE 8 INSTITUTE OF student of MAHAVIEER TECHNOLOGY, BANDALAGUDA, HYDERABAD, has undergone AND PROJECT" on "STUDY DESIGN OF "MINI an MANUFUCTURING OF CASTING PROCESS" from 13.06.2019 to 27.06.2019 in our organization.

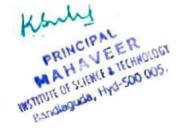
During the above period, he was regular and his code of conduct was found to be good and Appreciable.

We wish him all the best for all the success in the future endeavors.



For HMT Machine Tools Limited

(Charoo Prabhakar) DGM (TR)



hung t A

HMT MACHINE TOOLS LIMITED (4 Gove of India Undertaking) Machine Tost Division Balanagar, Narsapur Rosd, Hyderabad - 500 054, India Phone: 91-040-23087971/2308572, Ext. 260 Fax: : 91-040-23085952 L-mail: mthtraining@huntmachinetools.com Visit us:: www.huntmachinetools.com

DATE: 27.06.2019

Ref No. : HMT/MTH/HR-T&D/ST-238/19

CERTIFICATE

This is 10 certify that Mr. K.RAJASHEKAR REDDY (RegNo.16E31A0356), B.Tech in MECHANICAL ENGINEERING, 4th year 1st Semester student of MAHAVIEER INSTITUTE OF SCIENCE 8 TECHNOLOGY. BANDALAGUDA, HYDERABAD. has undergone an "MINI PROJECT" on "STUDY OF DESIGN AND MANUFUCTURING OF CASTING PROCESS" from 13.06.2019 to 27.06.2019 in our organization.

During the above period, he was regular and his code of conduct was found to be good and Appreciable.

We wish him all the best for all the success in the future endeavors.

For HMT Machine Tools Limited

(Charoo Prabhakar) DGM (TR)

MAHAVEER MOTOROSOMICS HOMOLOGI Bandleyuca, Hyd-500 005.

180 90012015 UNM



भारतीय रेल INDIAN RAILWAYS डीजल लोको शेड, मौलाली, हेवराबाद DIESEL LOCO SHED, MOULA-ALI, HYDERABAD

प्रमाणपत्र CERTIFICATE

This is to certify that Mr.K.SHRAVAN (16E31A0358) studying It hash of the end of Science & Technology, Bandlaguda done Mini Project" on "POWER GENERATION SYSTEM TO LOCOMOTIVE ENGINE" at Diesel Loco Shed, Moula-Ali, Secunderabad, South Central Railway from 19-07-2019 to 05-08-2019 under the guidance of Sri.S.Subhash Nagnath, SSE/DLS/MLY for partial fulfillment of Bachelor Degree award.

Dt.05-08-2019

05/08/19

Ansistantais/Si / Anerola Light Ansistantais/Si / Anerola Light Different ADME/DSL/MLY Different Strong SC Remove Moula AL (A Govt. of India Undertaking) Machine Tool Division, Balanagar, Narsapur Road, Hyderabad - 500 054, India Phone : 91-040-23087971/2308572, Ext.: 260 Fax : 91-040-23085952 E-mail : mthtraining@hmtmachinetools.com Visit us : www.hmtmachinetools.com

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DATE: 27.06.2019

Ref No. : HMT/MTH/HR-T&D/ST-236/19

01:2015 UNIT

CERTIFICATE

Inis is to certify that Ms.K., YNUSHA REDDY (RegNo.16131A0360). B.Tech in MECHANICAL ENGINEERING, 4th year 1st Semester 82 INSTITUTE SCIENCE OF student of MAHAVIEER TECHNOLOGY, BANDALAGUDA, HYDERABAD, has undergone AND DESIGN OF "MINI PROJECT" "STUDY on an -MANUFUCTURING OF CASTING PROCESS" from 13.06.2019 to

27.06.2019 in our organization.

During the above period, She was regular and her code of conduct was found to be good and Appreciable.

We wish her all the best for all the success in the future endeavors.

For HMT Machine Tools Limited



(Charoo Prabhakar) DGM (TR)



TIKIU Z.P.C. (1900) 031

HM1 MACHINE TOOLS LIMITED L4 Gove of India Undertaking: Machine Tool Division. Balanagar, Narsapur Road, Hydernbad - 500 054, India Phone : 91-040-23087971/2308572, Ext.: 260 Fax : 91-040-23085952 E-mail : mthtraining@hmtmachinetools.com Visit us : www.hmtmachinetools.com

DATE: 27.06.2019

Ref No. : HMT/MTH/HR-T&D/ST-237/19

CERTIFICATE

This is to certify that Mr.V.SHIVA KUMAR REDDY (RegNo.16E31A0377), B.Teeh in MECHANICAL ENGINEERING, 4th year 1st Semester student of MAHAVIEER INSTITUTE OF SCIENCE & TECHNOLOGY, BANDALAGUDA, HYDERABAD, has undergone an "MINI PROJECT" on "STUDY OF DESIGN AND MANUFUCTURING OF CASTING PROCESS" from 13.06.2019 to 27.06.2019 in our organization.

During the above period, he was regular and his code of conduct was found to be good and Appreciable.

We wish him all the best for all the success in the future endeavors.

For HMT Machine Tools Limited



BA A STAR CONTRAINOG INSTITUTION Bandingue Hyd-500 (NDS- (Charoo Prabhakar) DGM (TR) क.स. S.No. 93765

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भारत डायनामिक्स लिमिटेड

BHARAT DYNAMICS LIMITED (भारत सरकार का उद्यम A Govt. of India Enterprise)

रक्षा मंत्रालय Ministry of Defence

कंचनबाग Kanchanbagh :: हैदराबाद Hyderabad - 500058.

प्रणाली प्रौद्योगिकी तथा प्रबंधन संस्थान

INSTITUTE OF SYSTEMS, TECHNOLOGY AND MANAGEMENT

वर्ष Year 2019



पंजीकरण संख्या Regd. No. ______

Skill India

परियोजना प्रमाण-पत्र PROJECT CERTIFICATE

सुझी/श्री Ms./Mr.	ISHRATH	UNINITSA	BEGL	JM	
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भारतीय रेल INDIAN RAILWAYS डीजल लोको शेड, मौलाली, हैदराबाद DIESEL LOCO SHED, MOULA-ALI, HYDERABAD

प्रमाणपत्र CERTIFICATE

B-Tech 4th year 1st semester in Mechanical Engineering at Mahaveer Institute of Science & Technology, Bandlaguda done "Mini Project" on "POWER GENERATION SYSTEM TO LOCOMOTIVE ENGINE" at Diesel Loco Shed, Moula-Ali, Secunderabad, South Central Railway from 19-07-2019 to 05-08-2019 under the guidance of Sri.S.Subhash Nagnath, SSE/DLS/MLY for partial fulfillment of Bachelor Degree award.

ISTRUKOFSUNCE FROMOUOG

Berulaguda, Hydrson 005.

PRINCIPAL

Dt.05-08-2019

State Property

1 1851 (2)

1180 (73515.7) (A.SURENDER) समयाई/डी /मीताली Assistant B ADME/DSL/M

इत्मित लोट) होड DIESEL LOCO SHED द, म, रेल्वे, मीला अली. SC Rainuty, Mouta-All





BHARAT HEAVY ELECTRICALS LIMITED RAMACHANDRAPURAM, HYDERABAD-502032 Human Resource Development Centre

Ref No: 19ENGG 3139

Date : 13 07 2019

TO WHOMSOEVER IT MAY CONCERN

This is to certify that Mr./Ms./Mrs. <u>MOHAMMED LUQMENT ZAKI</u> with college id no: <u>ILE3IA0364</u> studying in <u>MAHAVEER</u> INSTITUTE OF SCIENCE & TECHNOLOGY pursuing B.E/B.Tech/MBA in <u>MECHANICAL ENGINEERING</u> discipline had undergone project training from <u>2910612019</u> to <u>13/0912019</u>. The title of the project as per our records is <u>MANUFACTURING</u> OF STEAM TURBINE AND CNC PROGREMING



KIN SANDEEF





BHARAT HEAVY ELECTRICALS LIMITED RAMACHANDRAPURAM, HYDERABAD-502032 Human Resource Development Centre

Ref No: 11ENGG1181

Date :11-07 2019

This is to certify that Mr./Ms./Mrs. PYATA PRASHANTH KUMAR.
with college id no: 16E31AD370
studying in Mahaveen institute of Science and Technolog
pursuing B.E/B.Tech/MBA in <u>Mechanical Sogeneong</u>
discipline had undergone project training from27-06-2019
to $11 - 07 - 2019$. The title of the project as per our records is
Study of 31 mm turbines and its construction:
59
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Warter F F Rouger
Project training in-charge
ाकृएमा घो जी प्रथम ती संवादी है। राज्यमा को संवादी है।





BHARAT HEAVY ELECTRICALS LIMITED RAMACHANDRAPURAM, HYDERABAD-502032 Human Resource Development Centre

Ref No: 19ENGG1181

Date : 11-01-2019.

This is to certify that Mr./Ms./Mrs. Bogi Vijender Reddy.			
with college id no: 16E3/A0346			
studying in Mamyeer intitute of Science and technology.			
pursuing B.E/B.Tech/MBA in Mechanical togineering.			
discipline had undergone project training from _27 -06-2019			
to $11-07-2019$. The title of the project as per our records is			
Study of Geam turifines and 9ts construction.			
A			
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SOUTHCENTRALRAILWAY

(INDIAN RAILWAYS)

CERTIFICATE

No.16E31A0325 student of MAHAVEER INSTITUTE OF SCH N(1 AND) TECHNOLOGY pursuing B.Tech has successfully completed mini project for the duration of 15 days from 01 /07/2019 to 15/07/2019 for the academic year 2019-2020.

The title of his project is BRAKING SYSTEM IN RAILWAY COACHES and was carried under the guidance of Shri M.SUBBA RAO. Senior Section Engineer in Coaching Depot, South Central Railway, Secunderabad.

His conduct during this period was Satisfactory.

M SUBBA RAO SSEC&W SC

Editor United States of

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P.MOH BHASH Coaching DeponOfficer - Offices Beer to Many Service State State





BHARAT HEAVY ELECTRICALS LIMITED RAMACHANDRAPURAM, HYDERABAD-502032 Human Resource Development Centre

Ref No 9 ENGE ZI

Date: 3-05 to

This is to certify that Mr./Ms./Mrs. MOHAMMED MUBEEN			
QURESHI with college id no: 16E 31A0318			
studying in MAHAVEER INSTITUTE OF SCIENCE (TECHNOLOGY			
pursuing B E/B. Tech/MBA in MECHANICAL ENGINEERING			
discipline had undergone project training from _29-06-2019			
to 13 - 07 - 2019. The title of the project as per our records is			
MANUFACTURING OF STEAM TURRINE A			
CNC PROGRAMMING			
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Project training the charge			
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BHARAT HEAVY ELECTRICALS LIMITED RAMACHANDRAPURAM, HYDERABAD-502032 Human Resource Development Centre

Ref No

Date : / 2 . 01 - 2114

TO WHOMSOEVER IT MAY CONCERN

This is to certify that Mr./Ms./Mrs. [ela MAHENDRA KUMAR

with college id no: 16E31AD352

studying in MAHAILLE INSTITUTE OF SURACE & TECHNOLOGY

pursuing B.E/B.Tech/MBA in MECHAducal

discipline had undergone project training from _______

to <u>nler12119</u>. The title of the project as per our records is

STUAR TURINE ASSEMBLY



Propert i in





BHARAT HEAVY ELECTRICALS LIMITED RAMACHANDRAPURAM, HYDERABAD-502032 Human Resource Development Centre

Ref No: 19ENG 3373

Date : 16/07/2019

is is to certify that	Mr./Ms./Mrs	d no: 10- JIAU TI
udying in Mahaw	en institute of	Science and Jechnology
ursuing B.E/B.Tech	rgone project training from	m 02/07/2019
0 16/03/2019 Stann Just	The title of the p	project as per our records is
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Dr. G. RAJA SINGH THANGADURAL SCIENTIST 'G' Project Director, PJ-10 (DAV)



GOVERNMENT OF INDIA MINISTRY OF DEFENCE DEFENCE R&D ORGANISAION DEFENCE RESEARCH AND DEVELOPMENT LABORATORY P.O. Kanchanbagh, Hyderabad - 500 058 TS INDIA

CERTIFICATE

This is to certify Mr. GADDI SUDHAMSHU (Reg. No. 16E31A0307) -onafide B.Tech (Mech) student at Mahaveer Institute of Science & Technology Hyderabad has satisfactorily completed the Internship "Mechanical Integration and Dynamic Testing of Typical Supersonic Cruise Missile" Jung the period 01* July 2019 to 18" July 2019 under my supervision at D.R.D.L., Hyderabad.

He had the orientation programme focused towards familiarization in Design & Development of various Missile Systems especially in the areas of Missile Assembly & Integration, CG Measurements and Vibration Testing etc.

His performance was excellent throughout the course of Internship ind the passion to learn new technologies is appreciable.

Plac Hyderabad

Date : 18.07.2019

e 040-2408 7029 2408 7030

(Dr. G. Raja Singh Thangadurai)

Dr. G. Raja Singh Thangadurai Dy. Programme Director, PJ-10 DRDL, Ministry of Defence Hyderabad-500 058



e-mail grsing@drdl.drc

Fax 040-2408 7006



Government of India Ministry of Defence Ordnance Factory Medak Yeddumailaram, Dist. Sangareddy - 502 205, T.S. Phone : 040-23283475, 040-23283467 Fax : 08455-239074 & 040-23292950

No. 16401/OFMK/HRD/IN-PLANT/2014 -2020

Date : 24-7-2019

MAJOR PROJECT/MINI PROJECT/IN-PLANT/INTERNSHIP TRAINING CERTIFICATE

This is to certify that the following individual has undergone Major Project/Mini Project/In-Plant/Internship Training at this organization. The Details are as follows :

1.	Name of the Candidate	: DATHAKOTI JAGADISH
2.	Father's Name	: PATHAKOTI BABU PAO LLATE)
3.	Branch/Year of Student	: B. Tech (MECH) 4th YEAR
4.	Candidate Roll No.	:16E31-AD368
5.	Name of the Institute	: MAHAVEER INSTITUTE OF SCILTECH
6,	Training Period	: 10-7-20191 to 24-7-2019
7.	No. of Days Present	: 15 jays
Dusi	ng the training period he	r/his conduct was VERY GOOD/GOOD
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	The said of the	HOS/JWM/HPC



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SOUTHCENTRALRAILWAY

[INDIAN RAILWAYS]

CERTIFICATE

This is to certify that TETAV ATH SRIK ANTH Ref. No. 16F31A0337 student of MAHAVEER INSTITUTE OF SCHENCE AND TECHNOLOGY pursuing B.Tech has successfully completed mini project for the duration of 15 days from 01: 07 2019 to 15/07/2019 for the academic year 2019-2020.

The title of his project is BRAKING SYSTEM IN RAILWAY COACHES and was carried under the guidance of Shri M.SUBBA RAO, Semior Section Engineer in Coaching Depot, South Central Railway, Secunderabad

His conduct during this period was Satisfactory.

P.MOHAN SUBHASH MSUBBLER Quaching Depot Officer ST CAW SC 3.9 -

	e particular en la construction de la const	n Na standing fight (states) - 1	raffighter armaint fig	any company and an affire . By the
	THE NATIONAL SMALL INDUSTRIES CORPORATION LTD. TECHNICAL SERVICES CENTRE	Narendhar pursuing B.Tech In Mech ce & Technology stully completed the Internship Program officining, Welding and	is the form from zerosate to service as a service to service the requirements within the time frame to the found doed	WEAL CIPALER ALONG PRIMATER ALONG PR
P. Water and P. S. Statements	ARTIONAL SI	Ms. Bhoomer omaigh Institute et S. fester igeration Au	de wor k carric assigned mu e trainer 1. 0	Nor The second
	ENDER THE N.	*Colority that Mr. Ms. Bhoomen - Jhier of M. B Bhoomalah Verne Mahaveer Institute of S 15E31A0310 her u in the area of Refrigeration Au ion(NDT)	cance. It is a bonafide work cam has completed the assigned me re above period, the trainer is o	Project Coordinator

CONSCIENCE TECHNOLOGIES

A RIGHT PLATFORM FOR ALL ENGINEERS

To The Head of the Department, Electronics & Communication Engineering Mahaveer Institute of Science & Technology, Vyasa Puri, Chandrayangutta, Hyderabad, Telangana 500005.

INTERNSHIP CERTIFICATE

TO WHOMSOEVER IT MAY CONCERN

This is to certify that Mr. PIDIKIRALA RAKESH KUMAR, Roll Number – (16E31A0488), who is pursuing Electronics & Communication Engineering, Department at Mahaveer Institute of Science & Technology successfully completed his Internship program at Conscience Technologies on Automatic car parking slot indicator in shopping malls/apartments and has submitted the report.

During the Internship program period, the candidate has shown keen interest and commitment towards learning and his performance was good.

Duration: 06/05/2019 to 08/07/2019

Yours truly,

T



PRINCIPAL MAHAVEER INSTITUTE OF SCIENCE & TECHNOLOGY Bandlaguda, Hyd-SOO 005.

> Address #17-83/2C. 3rd Floor, Opp. Bank of Maharashtra, Annapurna Fucnction Hall Line. Dilsukhnagar, Hyderabad-500060. 2 : 040-6012 1199

www.consciencetechnologies.com info@consciencetechnologies.com CONSCIENCE TECHNOLOGIES

To The Head of the Department, Electronics & Communication Engineering, Mahaveer Institute of Science & Technology, Vyasa Puri, Chandrayangutta, Hyderabad, Telangana 500005.

INTERNSHIP CERTIFICATE

TO WHOMSOEVER IT MAY CONCERN

This is to certify that Mr. NEELA JASHWANTH, Roll Number - (16E31A0487), who is pursuing Electronics & Communication Engineering, Department at Mahaveer Institute of Science & Technology successfully completed his Internship program at Conscience Technologies Pvt Ltd on Wireless Notice board using Android Technology and has submitted the report.

During the Internship program period, the candidate has shown keen interest and commitment towards learning and his performance was good.

Duration: 06/05/2019 to 08/07/2019

Yours truly,



Kily

PRINCIPAL MAHAVEER INSTITUTE OF SCIENCE & TECHNOLOGY Bandlaguda, Hyd-500 dos

> Address #17-83/2C, 3rd Floor, Opp. Bank of Maharashtra, Annapuma Fucnction Hall Line, Dilsukhnagar, Hyderabad 500060.

www.consciencetechnologies.com info@consciencetechnologies.com

PANHYD/INT/DM/08081

To

The Head of the Department, Information Technology, Mahaveer Institute of Science & Technology, Vyasa Puri, Chandrayangutta, Hyderabad, Telangana 500005.

INTERNSHIP CERTIFICATE

TO WHOMSOEVER IT MAY CONCERN

This is to certify that Mr./Ms. G .Arun kumar(16E31A1211) & N.Tejashwini (16E31A1217) who is pursuing Information Technology, Department at Mahaveer Institute of Science & Technology she successfully completed her Internship program at; Pantech Solutions Pvt Limited on A Data Mining Based For Detection of Fraudlent Behaviour In Water Consumption and has submitted the report.

During the Internship program period, the candidate has shown keen interest and commitment towards learning and her performance was good.

Duration: 18-01-2020 to15-03-2020

Yours truly,

Pantech Solutions

Srinivasan.N

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PRINCIPAL MAHAVEER INSTITUTIOF SCIENCES TECHNOST Banciogrado, FrideSill, 2015

PARTECH JOLUTION

Technology Beyond the Dreams

4th Floor, Delta Chambers, Ameerpel Circle, Near J.C. Brothers, Ameerpet, Hyderabati - 508 016. Phone : 042 - 45977960 E-mail : hyd@pantechmail.com www.pantechproed.com Tamilnadu | Andra Fradesh | Kerala | Maharashtra PANHYD/INT/ML/08081

To

The Head of the Department, Information Technology, Mahaveer Institute of Science & Technology, Vyasa Puri, Chandrayangutta, Hyderabad, Telangana 500005.

INTERNSHIP CERTIFICATE

TO WHOMSOEVER IT MAY CONCERN

This is to certify that Mr./Ms. P. Naga Anusha(16E31A1220) & V. Mahesh(16E31A1229) who is pursuing Information Technology, Department at Mahaveer Institute of Science & Technology she successfully completed her Internship program at; Pantech Solutions Pvt Limited on Modeling and predicting cyber hacking breaches and has submitted the report.

During the Internship program period, the candidate has shown keen interest and commitment towards learning and her performance was good.

Duration: 18-01-2020 to 15-03-2020

Yours truly,

Pantech Solutions

Srinivasan.N

PARTECH SOLUTIO

Technology Beyond the Dreams

PRINCIPAL MAHAVEER INSTITUTE OF SCHROE & TECHNOLOGY Bandleguda, Hyd-500.005.

4th Floor, Delta Chembers, Ameerpet Circle, Near J.C. Brothers, Ameerpet, Hyderabad - 500 016. Phone : 040 - 40077960 E-mail : hyd@pantechmail.com www.pantechproed.com Tamilnadu | Andra Pradesh | Kerata | Maharashtra



MAHAVEER INSTITUTE OF SCIENCE & TECHNOLOGY

(Approved by AICTE, Affiliated to JNTU, Hyd) Vyasapur, Bandlaguda, Post : Keshavgiri, Hyderbad - 500005.

DEPARTMENT OF INFORMATION TECHNOLOGY

FIELD TRIP OF STUDENTS TO INFOSYS CAMPUS ON 31³⁷ AUGUST 2019



PRINCIPAL

MAHAVEER INSTITUT OF SCIENCE & TECHNOLOGY Bandlaguda, Hyd-500 005.